UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET, SUITE 300
DENVER, CO 80202

CONSENT FOR ENTRY AND ACCESS TO PROPERTY

Name: DREW MUNRO

Address: 187 OLEK CRK RD.
LIBBY MT.

Phone: 293-7328

Address of Property for which consent to access is being granted:

1325 HIRSTRIP RD.
LIBBY MT.

Relationship to property: OWNER
(i.e., owner, 5-year tenant, etc.)

I consent to officers, employees, and authorized representatives of the United States Environmental Protection Agency (EPA) entering and having continued access to my property for the following purposes:

1. Air, wipe, bulk and soil sampling.
2. Such other actions as the EPA On-Scene Coordinator determines necessary to protect human health or welfare of the environment.

I realize that these actions by EPA are undertaken pursuant to its response authorities under the *Comprehensive Environmental Response Compensation, and Liability Act of* 1980, as amended (CERCLA), 41 U.8. C Section § 9601 et seq.

I also realize that there may be loss of or damage to property during these actions. In addition, I realize EPA will be using my utilities, including heat, water and electricity.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind.

I certify that this Consent for Entry and Access is entered into voluntarily and constitutes an unconditional consent and grant of permission for access to the property by officers, employees and authorized representatives of EPA at reasonable times.

2-19-02
Date

Drew Munro
Signature

Removal and Restoration Agreement for Residential Removals
Libby, Montana

Owner's Name(s): Charles Stambaugh **Phone:** 293-7884
Address of Removal: 1325 Airstrip Rd
Anticipated Removal Dates: July 8, 2003 – July 28, 2003
Type of Remediation: Vermiculite-containing insulation removal from attic and exterior removal
Pre-Construction Meeting Date: June 3, 2003
Pre-Construction Meeting Attendees: Courtney Zamora (Volpe), Chuck Jackson (ER), Merrill Taylor (ER), Karen Berry (CDM), Scott Supernaugh (CDM), Bill Zahniser (CDM) Tom Vanderweel (CDM) and Charles Stambaugh (owner)

Removal and Restoration Details Discussed and Agreed to:

Insulation Removal and Interior Cleaning

1. Vermiculite-containing insulation (VCI) will be removed from unfinished attic. All other types of insulation within the attic will also be removed. Following the insulation removal, all attic surfaces will be wet-wiped and cleaned using a vacuum equipped with a high-efficiency particulate air (HEPA) filter. An encapsulant will be applied to areas of the attic from which VCI was removed to minimize release of residual contamination.

2. The outlets and switches, in the interior and exterior walls will be inspected for the presence of VCI. If present, the voids will be HEPA vacuumed to remove any visible VCI and sealed with silicon or equivalent.

3. Due to visible VCI in the interior plaster walls, the walls will be removed and replaced with sheetrock. In the process of the plaster removal the curved sections of the walls will be removed and the vertical wall drywall will extend to the ceiling. The drywall will be finished with a light orange peal finish and painted an off-white color. In the event the plaster was applied directly on masonry walls (cinder blocks), the plaster will be scraped from the walls and an encapsulent will be applied to the masonry surface.

4. To facilitate the removal activities, the removal contractor will cut through the interior ceiling to access and remove the VCI. The ceiling boards will be salvaged and put back into place. However, if the boards cannot be salvaged they will be replaced with similar in kind as is available.

5. The VCI will be replaced with R-38 blown-in fiberglass. In order to establish an insulating rating of R-38, the fiberglass is required to have a minimum thickness of 14 inches; therefore, attic storage will be limited.

6. An interior cleaning of the property is warranted because there is visible VCI in all living spaces. The interior cleaning will include a wet wiping of all non-textile surfaces with disposable rags and clean water, or equivalent. All textile surfaces will be cleaned using a vacuum equipped with a HEPA filter.

Soil Excavation

1. Vermiculite containing soil (VCS) was observed in the flowerbeds and yard areas (see attached map). All contaminated soil will be removed and disposed of off site. Confirmation soil samples will be collected to verify that the contamination has been removed.

2. All exterior restoration efforts will employ "replace in kind" methods. That is, any contaminated material removed (e.g., soil, vegetation, household items, etc.) will be replaced with similar items less than or equal to the original value.

3. After the soil excavation is complete, the area will be backfilled with government-approved topsoil. Fertilizer will be added to the topsoil after placement and then tilled to a depth of approximately 4 inches.

Yard

1. VCS located in the yard areas (see attached map) will be excavated to a depth of 12 inches.

2. The pile of items in the southeast corner of the property will be disposed of and not replaced.

3. The septic tank and leach field located east of the mobile home are sensitive to heavy equipment loads. Special precautions will be taken to insure protection of the septic tank and leach field.

4. The underground water line running east of the mobile home south to the edge of the property will require protection during the removal activities.

5. A professional building/home mover will inspect the mobile home located on the property for structural stability. Then the mobile home will be raised to allow the removal contractor to excavate the areas containing VCS underneath the mobile home.

6. All contaminated soil in the yard will be replaced with government approved soil (e.g. 6-inches of select fill and 6-inches of top soil). Sod will be placed in all yard areas the removal contractor will water these areas for one week. It will then be the responsibility of the resident to care for the area.

Flowerbeds

1. VCS was observed in various flowerbeds throughout the property (see attached map); therefore, soil excavation to a depth of 18 inches will be necessary. The flowerbeds will be restored in kind.

2. Borders around flowerbeds will be replaced in kind.

3. All plants in the flowerbeds will be disposed of and the owner will receive a credit at Blossom Boutique for their replacement.

General Information

1. The removal contractor will provide their own water source for personnel and equipment decontamination. All decontamination water will be captured and disposed of offsite.

2. Should other exterior areas be identified to contain vermiculite during excavation, they too will be excavated and subsequent confirmation samples will be collected.

3. The electricity to the house will be turned off during the removal and restored to the house when the removal and restoration activities are complete. There are no items in the house that requires electricity during the removal.

4. Only EPA-authorized personnel will be allowed onsite during the removal and restoration activities. As stated in the relocation package, for their own safety, the resident will not be allowed to return to their property unless given permission by a government representative. If the resident returns to their property without prior approval, their relocation agreement with the government will be nullified. If an emergency arises and the resident requires items from inside the house (i.e., medication) they should contact Karen Berry (293-1701) and arrangements will be made to retrieve the item.

5. Some doors and windows may be left open as part of the removal process therefore security will be onsite whenever the removal contractor is not working. When the removal activities are complete, the windows and doors will be locked. Karen Berry will be responsible for the key to the property until removal and restoration activities are complete, at which time the key will be returned to the resident.

Charles Stambaugh, Owner	July 3-03 Date	Courtney Zamora, Volpe	7/8/03 Date
Karen Berry, CDM	7/8/03 Date	Chuck Jackson, ER	7/8/03 Date

This Addendum was verbally agreed to by Charles Stambaugh & Karen Berry on 7/16/03
MJB 7/23/03

Addendum 1
Removal and Restoration Agreement for Residential Removals
Libby, Montana

Owner's Name(s): Charles Stambaugh **Phone:** 293-7884
Address of Removal: 1325 Airstrip Rd
Anticipated Removal Dates: July 8, 2003 – July 28, 2003
Type of Remediation: Vermiculite-containing insulation removal from attic and exterior removal
Pre-Construction Meeting Date: June 3, 2003
Pre-Construction Meeting Attendees: Courtney Zamora (Volpe), Chuck Jackson (ER), Merrill Taylor (ER), Karen Berry (CDM), Scott Supernaugh (CDM), Bill Zahniser (CDM) Tom Vanderweel (CDM) and Charles Stambaugh (owner)

Removal and Restoration Details Discussed and Agreed to:

1. Per the owners request, the soil area where the mobile home was originally located and the northern most flowerbed will be replaced with sod.

2. All grass areas around the flowerbeds will be hydro-seeded.

3. The boarders around the raised flower beds will be replaced with 2" by 10" treated lumber.

4. Mr. Stambaugh would like the mobile home to be placed perpendicular to the fence along the southern property line and the front of the trailer to be extending into the driveway. Mr. Stambaugh was advised not to move the mobile home any further than the maximum anticipated distance (approximately 300 yards).

5. As directed by Mr. Stambaugh, the ceilings and walls inside the house will not be installed however; all necessary materials (e.g. sheetrock, boxes of screws, tape, containers of joint compound, and furring strips) will be supplied after the removal is complete. The boards removed from the ceilings will be cleaned, labeled and piled in the house. All labor to install the ceilings and walls will be performed by the owner or his subcontractor.

6. The insulation will not be installed by the removal contractor. Mr. Stambaugh will receive a credit at Western Building Center for the cost of materials for the insulation stated in the original Agreement.

7. Payment for the storage unit currently being used to store Mr. Stambaugh's belongings will stop 30 days after the date of the removal completion.

Charles Stambaugh, Owner — Date: 7-30-03

Courtney Zamora, Volpe — Date: 7/30/03

Karen Berry, CDM 7/23/03 Date

Chuck Jackson, ER 7/31/03 Date

July 15, 2003

Charles Stambaugh
1325 Airstrip Rd
Libby, MT 59923

Subject: Remediation and Restoration

Dear Mr. Stambaugh:

The enclosed Removal and Restoration Agreement is for your information there is no need to respond. If you have any questions please call me at (406) 293-1701.

Sincerely,

Karen J Berry

Karen Berry

CDM
Community Involvement Coordinator

Information Update for Neighbors of Properties Undergoing Asbestos Cleanups

On July 8, 2003, the U.S. Environmental Protection Agency (EPA) will begin an asbestos removal action at **1325 Airstrip Rd.** This work is part of EPA's ongoing efforts to protect the health of the citizens of Libby by removing significant source areas of asbestos from residential areas. It typically involves removal of vermiculite-containing insulation. EPA would like to ensure neighbors that this work has been carefully designed with the health and safety of workers and the community as the primary concern. EPA's contractors are VERY experienced in the safe removal of asbestos-containing materials.

The following is a brief list of health and safety information that may interest you:

- **Protective Clothing and Equipment.** Because they are working in direct contact with asbestos-contaminated materials, workers will be wearing protective clothing and equipment. This includes gloves, white Tyvek suits, and respirators. This serves to protect them from inhalation of asbestos fibers. It also allows them to be fully decontaminated before leaving the site, thereby protecting the community. *People who are not working with the materials on site DO NOT need to wear this clothing and equipment.*

- **Decontamination.** The work areas are segregated to prevent contamination from being spread off-site. Workers or equipment cannot leave the property without a thorough decontamination. *NO ONE will be allowed on site without authorization.*

- **Dust Control and Monitoring.** The work is being completed under conditions designed to eliminate airborne transport of dust. Materials will be wetted and wind conditions will be monitored to ensure that dust is not generated. Air monitors have been set up along the perimeter of the property, and the air quality will be monitored throughout the project. The results of that monitoring will be used to verify that dust control measures were successful.

- **Road Safety.** Trucks will be traveling to and from the property during this work. The drivers are experienced and are aware of the precautions necessary to move safely through residential areas. Routes have been chosen to maximize safety, and drivers will be careful of their speeds and alert to the potential for children to be in the road. *Please help us by reminding your children to be extra aware of traffic during this time*

- **Noise.** This work involves heavy equipment and trucks, but EPA has made every effort to minimize the associated noise, in part by limiting working hours to between 7:30am and 6:30pm, Monday through Saturday. A small generator is used in the winter months to keep equipment from freezing, but the noise is generally not a problem, especially when windows are closed. Neighbors may also occasionally notice the vehicle of one of the security guards, who are on duty during hours when the house is unoccupied.

The remediation work is scheduled to begin on July 8, 2003 and should be completed by July 18, 2003. If you have questions, or need assistance, please call the on-site Community Involvement Coordinator at 293-1701 (cell). You may also call or visit the EPA Information Center at 501 Mineral Avenue (293-6194).

EPA Neighborhood Update

Contains Important Information about the Libby Asbestos Cleanups - Please Read

Blossom Boutique
681 Hwy 2 West
Libby, MT 59923

INVENTORY 6/3/13 19___

Department Yard Restoration
Location 1325 Airstrip Rd

Priced by _____ Sheet No. _____
Extended by _____ Called by _____
Examined by _____ Entered by _____

ITEM NO.	DESCRIPTION	✓	QUANTITY	UNIT	PRICE	UNIT	EXTENSIONS
	1 Gal perennial				4.80		4 80
	numerous iris & tulips that can be replanted						
	Amount Forward						

TOPS FORM 3477
LITHO IN U.S.A.

Mac's Market, Inc. Mini-Storage

1427 Hwy. 37 N.
Libby, MT 59923
Phone: (406) 293-8693
Fax: (406) 293-6565

September 12, 2003

Charles Stanbaugh
Lila Simpson
1325 Airstrip Road
Libby, MT 59923
(406) 293-7884

Re: Mac's Market Mini-Storage Units #13 and #22

Dear Mr. Stanbaugh and Ms. Simpson,

This letter is to inform you that as of September 20, 2003, US DOT Volpe Center will no longer be responsible for payment on mini-storage unit #22 and as of September 23, 2003, US DOT Volpe Center will no longer be responsible for payment on mini-storage unit #13, both located at Mac's Market, 1427 Hwy 37 N in Libby, MT.

You will now be responsible for payment of the monthly rent on the above listed units. Payment must be made on or by September 24, 2003 OR the units must be vacated by that date. If you choose to keep the units, you will be required to sign a new rental contract and make payment on that date.

The rent for unit #13 is $40 per month.
The rent for unit #22 is $50 per month.

If payment is not made by September 25, 2003 the units will be locked and their contents will become the property of Mac's Market.

Thank you,

Mac's Market
Libby, MT

Cc: Courtney Zamora, US DOT Volpe Center
Libby, MT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

EPA Information Center
Office Copy

February 18, 2003

Ref: 8EPR-SR

Charles Stambaugh
1325 Airstrip Road
Libby, MT 59923

Dear Mr. Stambaugh:

This letter is to follow up our conversation on Wednesday, February 12, at the EPA Information Center in Libby. During that conversation, you explained that one of the reasons you recently purchased the above referenced property was your belief that the property was on a "priority" list for remediation by EPA. In fact, as late as December 2002, EPA was considering remediation of the property during winter 2002-2003, but only because the previous owner, Mr. Drew Munroe, had requested the building be demolished without replacement or compensation from EPA. When this request was withdrawn, either by you or Mr. Munroe, EPA removed the property from consideration for remediation during the winter. This is reflected in a letter from Duc Nguyen to you also. We discussed EPA's reasoning behind this decision and I reiterated that we could not remediate your property until approximately May at the earliest.

At our meeting, you also indicated you had only six weeks until you had to vacate your current residence. Because your new property is not yet ready for habitation and is contaminated, you requested EPA store your personal property until such time that it could be stored at your new property.

We agreed to the following things:

1. EPA will store your personal property, pending a joint inspection and inventory, at our cost until our remediation of the referenced property is complete. A representative of EPA will contact you in the near future. This arrangement is acceptable to EPA because storage of your personal property, as opposed to placing it in a heavily contaminated building and cleaning it later, is advantageous to the government. This assumes that the amount of property is reasonable for household goods at a small house.
2. EPA will only store your personal property until our remediation of the referenced property is complete. At that time, the property will be solely your responsibility.
3. EPA will begin design work for your property in the next few weeks, so that you have some idea of what work we will need to accomplish and you can begin to plan

renovation/improvement of your property as soon as possible. A representative of EPA will contact you on this as well.

4. EPA will target cleanup of the property for late spring or early summer but can only guarantee two weeks notice for the actual cleanup start date.

I hope this is satisfactory. If you have not been contacted by a representative of EPA by March 10, or if you have any questions, please contact the EPA Information Center at 293-6194.

Sincerely,

Jim Christiansen
Remedial Project Manager

Brossman, Julie

From: Zamora, Courtney [Zamora@VOLPE.DOT.GOV]
Sent: Wednesday, April 23, 2003 11:47 AM
To: Pyles, Brian; Courtney Zamora; Brossman, Julie; Murphy, Krystal; Rodriguez-Newstrom, Linda; Cook, Thomas
Subject: RE: Stambaugh - 1325 Airstrip Road

I rented a storage unit for Charlie today from Mac's Market. I also transferred his storage unit to Volpe for payment. Charlie was incorrect regarding shed availability. They had others available, and I had alread spoken to the owner of Mac's Market (Todd) regarding renting a unit. Charlie stopped in and was complaining that the EPA was lying to him. Todd informed him that he had spoken to me and that I was waiting for a call back from Charlie. Charlie did not call back for 2 days so I called and left an additional message requesting the info that Linda got this morning.

-----Original Message-----
From: Rodriguez-Newstrom, Linda [mailto:Rodriguez-NewstromL@cdm.com]
Sent: Wednesday, April 23, 2003 8:35 AM
To: Courtney Zamora (E-mail)
Subject: Stambaugh

Charles Stambaugh called this morning and I asked him, "What size storeage shed do you need?" Charlie replied, "10'x15'. It is the only shed that they have left and they have been holding it for me. They are waiting for Courtney to get ahold of them to let them know who is paying for the storeage shed." I then asked, "When do you need the storeage shed?" Charlie replied, "Last month!, I need it as soon as possible." I then took his number if there were further questions that may need answered. 293-7884

*I hope that you don't have to pay for the time that the shed has been held, because he never got back to you!
Linda

Brossman, Julie

From: Zamora, Courtney [Zamora@VOLPE.DOT.GOV]
Sent: Wednesday, February 19, 2003 2:51 PM
To: 'Christiansen'
Subject: Charlie Stambaugh

Jim -
I think Charlie understands more now. I took Brian Pyles out with me and we both got the impression that Charlie is trying his hardest to get a new house, courtesy of the government. We reiterated that we are not in the remodeling business, that we are not rewiring his house, that we will assist him and take walls down for him if that is what his plans include but will NOT put them back up. He wants a new roof and honestly, I am not entirely sure how we are going to remove the vermiculite from his attic space. The last resort may be to peel back his existing roof and put a new one on, but I explained that our contractors will explore EVERY option and find the most cost effective and efficient method for clean up. We asked him to sit down and plan out what his remodeling efforts are going to be so we can use that to guide our clean up (basically what you told him in your meeting and wrote him in your letter). He said he'd do that.

Brian and I both got the impression that he wasn't entirely listening, and that he's expecting WAY more than what the government can do.

I am recommending that before we begin, we have a structural engineer take a look at the place because it is falling apart. I'm not sure it'd be safe for contractors to be working in that house at all.

Have a GREAT vacation Jim!!!

C

CDM
1 Cambridge Place
50 Hampshire Street
Cambridge, MA 02139

September 8, 2003

1325 Airstrip Road
Libby, MT 59923

Subject: Outstanding issues at 1325 Airstrip Road

Dear Mr. Charles Stambaugh:

I am informing you that the EPA has completed the vermiculite-containing insulation and vermiculite-containing soil removal at the above referenced address. EPA has determined that there is still Libby Amphibole Asbestos contamination in the crawlspace of the house. EPA understands that future repairs may be needed to the plumbing located in the crawlspace. If in the future, repairs to the plumbing are required, an EPA representative will meet with you and determine what action may be necessary to insure the safety of the workers completing the repairs.

Very truly yours,

CAMP DRESSER & McKEE.

Karen Berry
Community Involvement Coordinator

cc: File

Form No. 00256

LIBBY MONTANA SITE INVESTIGATION
PHASE 1 BACKGROUND INFORMATION FIELD FORM

Field Logbook No.: 10155 Page No.: _____ Site Visit Date: 7/16/02

Address: 13-25 Airstrip Rd, 1SK Ranch Rd.

Occupant: Vacant Phone Number: 293-7328

Owner (if different than Occupant): Drew & Julie Myers Phone Number: " "

Sampling Team: Jim Henderson Tom Thornburgh

Data Item	Value	Notes
HOUSE ATTRIBUTES		
Property Description	(Residential) Industrial Commercial	
Surrounding Land Use	(Residential) Industrial (Commercial) School Mining Other: _____	
Year of Construction	1948 Unknown	
Square Footage	1100	~30'x38'
Construction Material	(Wood frame) (Masonry/Stone) Other: STUCCO	
Number of Floors Above Ground	(1) 2 3 Other: _____	
Number of Rooms Per Floor Above Ground	1: 7 2: ____ 3: ____ Other: _____	
Basement	Yes (No)	
Heating Source	Wood/Coal Electric Propane/Gas Other: _____	
Heat Distribution	Forced air (Radiant) Other: _____	
OCCUPANT INFORMATION		
Number of Adults/Employees	1 2 3 4 5-15 16-20 21-30 >30	Unoccupied for 4/5 years
Number of Children	0 1 2 3 4 Other: _____	owners mother died Last June
Years at Location	<1 1-5 5-10 10-15 >15	inherited property

Building NOT Sampled will need To

PHASE 1 BACKGROUND INFORMATION FIELD FORM (continued)

Address: 1325 Airstrip Rd.

Data Item	Value	Notes
Was the residence/building remodeled?	Yes (No)	
	If yes, When (years): <2 2-5 >5 Where: Attic Living Areas Garage Basement Other:_____	
Has resident/business purchased any Libby vermiculite materials from W.R. Grace in the past?	Yes (No)	
Has the property at this location been used for a for-profit enterprise of distributing, treating, storing, or disposing of Libby vermiculite?	Yes (No)	
Has any occupant worked at the W.R. Grace mine and/or any former processing plant?	Yes (No)	
Are there any know areas of exposed vermiculite?	(Yes) No	
	If yes, Where: (Ceiling) Walls Floors Attic Other:_____	
INDOOR ASSESSMENT		
Vermiculite Insulation and Estimated Volume (ft^3)	Attic:_____ (Yes) No NA Walls:_____ Yes No NA Basement:_____ Yes No NA Crawl Space:_____ (Yes) No NA Other:_____	
Evidence of Physical Damage?	Yes (No)	
Evidence of Water Damage?	Yes (No)	

PHASE 1 BACKGROUND INFORMATION FIELD FORM (continued)

Address: 1325 AirsTrip Rd.

Data Item	Value	Notes
Degree of Accessibility of ACM?	(Difficult) Moderate Easy	Description of access required Number of attic accesses 0
OUTDOOR ASSESSMENT		
Vermiculite Material and Estimated Volume (ft^3)	Garden:_____ Yes No NA Yard:_____ Yes No NA Stockpiles:_____ Yes No NA Other:_____	vermiculite was brought in periodically over the years
Degree of Accessibility of ACM?	(Difficult) Moderate Easy	Description of access required under house used To fill in holes throughout yard
EXPOSURE ASSESSMENT		
Type and Frequency of Activity Near Vermiculite Material - Indoor	Frequency: Once a-day / Once a week / Once a month / Once a year	no occupants
	Duration of Contact: <1 hour / 1-2 hours / 2-4 hours / >4 hours	
	Extent of Contact: Heavy / Moderate / Light	

PHASE 1 BACKGROUND INFORMATION FIELD FORM (continued)

Address: 1325 AirsTrip Rd.

Data Item	Value		Notes
Type and Frequency of Activity Near Vermiculite Material - Outdoor	Frequency:	Once a day Once a week Once a month Once a year	N/A
	Duration of Contact:	<1 hour 1-2 hours 2-4 hours >4 hours	
	Extent of Contact:	Heavy Moderate Light	
RECOMMENDED REMOVAL ACTION			
Indoor	Attic:	Yes No NA	
	Wall:	Yes No NA	
	Basement:	Yes No NA	
	Other:_____	Yes No NA	
Outside	Garden:	Yes No NA	
	Flower Bed:	Yes No NA	
	Yard:	Yes No NA	
	Stockpiles:	Yes No NA	
	Shed/Water Pump House:	Yes No NA	
	Other:_____	Yes No NA	

ADDITIONAL INFORMATION

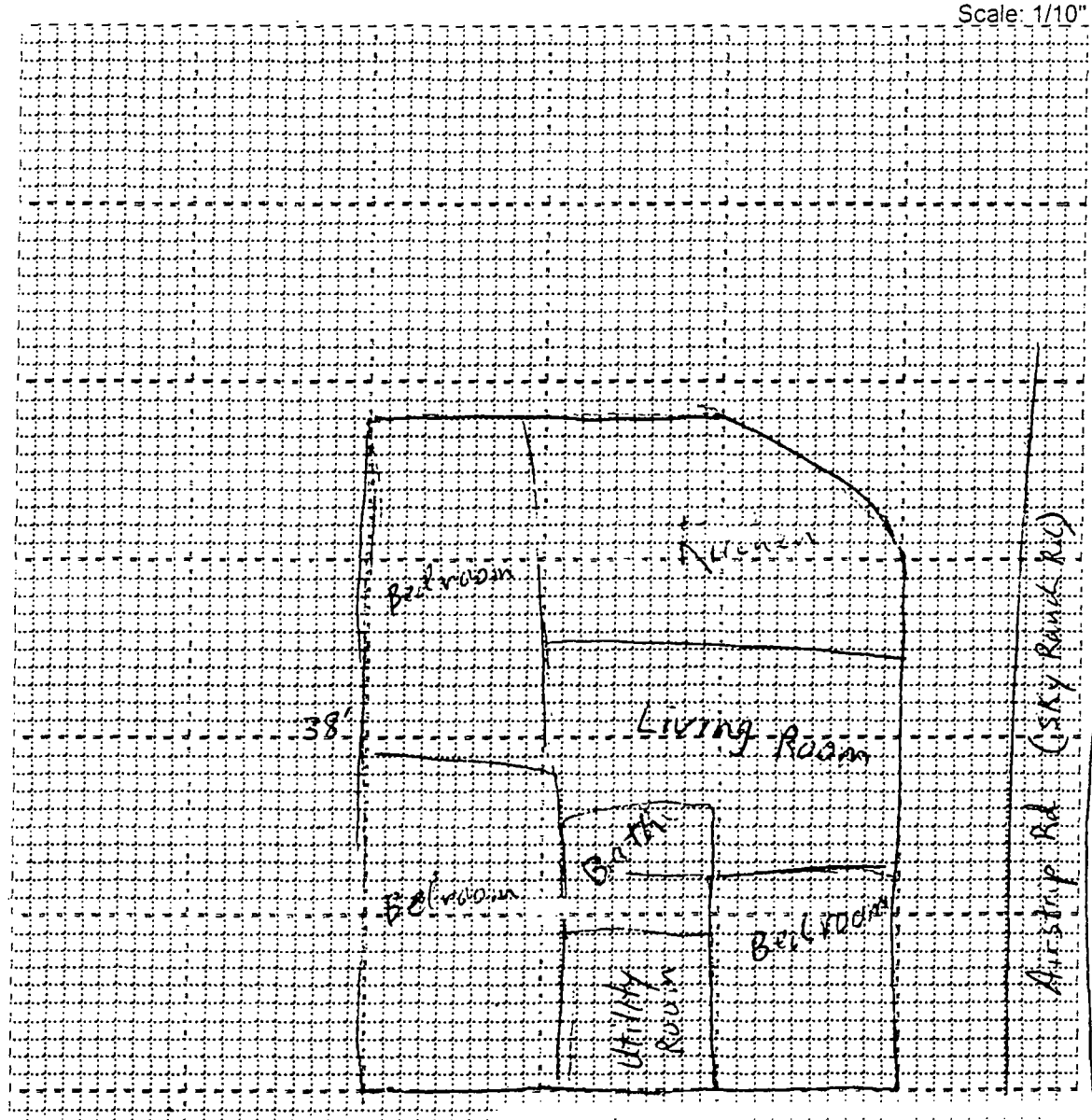
FIELD D[illegible]

Floor of House (circle): (First) Second Third Basement

1325 Airstrip Rd. (Sky Ranch Rd.)

Include approximate dimensions of rooms and floor covering type. Use more than one diagram if needed.

Scale: 1/10" = 1 foot



Approx. 1100 ft²

Note: Unable to determine thickness of vermiculite in Utility.

24

Location 1325 Airstrip Rd Date 3-8-02

Project / Client Drew + Julie Munro COM/Volpe

Jim Henderson Tom Threlkeld

0930 Arrive at 1325 Airstrip Rd (also called Sky Ranch Rd); + meet w/ owner. House is rental property + been unoccupied for 4-5 yrs. Owner inherited property from mother who died last June. Fill out BIEF # 0225. Owner says Vermiculite was brought in periodically over the years. Vermiculite all thru house - [illegible] in walls to plug holes, etc. House had no electricity. Temp. about 10° + light snow. Due to lack of light in house and interior that is trashed (garbage + stuff everywhere in house) no samples taken. Smell of skunk pervasive in house. Because of pathetic condition + no light in house, no dust samples collected. Yard will need to be soil sampled at a later date. House is approx. 1100 ft²; unable to determine volume of vermiculite in house.

Tom Threlkeld 3-8-02

BD- 003248

Phase 1 Background IFF No. C0256 *

Soil samples collected (Date: 11/14/02)

LIBBY ASBESTOS PROJECT
Contaminant Screening Study
Primary Structure and Property Assessment Supplemental Information Field Form (SIFF)

Field Logbook No.: 100056 Page No.: 140 Site Visit Date: 19 NOVEMBER 2002

Address: 1325 AIRSTRIP RD Structure Description: RESIDENTIAL

Occupant: CHARLES STAMBAUGH* / DREW MUNRO** Phone Number: 293-7824 * 94 BAUER RESIDENCE

Owner (if different than occupant): [illegible] Phone Number:

Sampling Team: BRIAN PYLES AND MARC SCHLEGACH / CSM

Field Form Check Completed by (100% of forms): [illegible]

Screening Field Check Completed by (2% of forms):

Data Item	Value	Notes
INDOOR ASSESSMENT		
Vermiculite Insulation Past or Present	Attic: (Yes) No NA Unknown Walls: (Yes) No NA (Unknown) 11.19.02 Basement: Yes No (NA) Unknown Crawl Space: (Yes) No NA Unknown Other:	Visual confirmation of current presence or absence required for attic. - FALLING THROUGH CEILING IN BATHROOM - PLASTER ON INTERIOR - CRAWLSPACE OF ADDITION
OUTDOOR ASSESSMENT		
Libby Amphibole Sources Present	Garden: (Yes) No NA Yard: (Yes) No NA Stockpiles: Yes (No) NA Other: FLOWER BEDS	RAISED BEDS ON PROPERTY, WAS BEHIND HOUSE. MOVE TAILINGS AND VERMICULITE.
Proximity to Other Properties with Potential Sources of Libby Amphiboles	Next door Within same block Other: (Unknown)	

* WILL BE PURCHASING PROPERTY

** CURRENTLY OWNS PROPERTY

DW 11.20.02

SUPPLEMENTAL INFORMATION FIELD FORM (continued)

Address: 1315 ADDISON RD BD# 003248

Data Item	Value		Notes
EXPOSURE ASSESSMENT			
Type and Frequency of Activity Near Vermiculite Material - Indoor	Frequency:	Once a day Once a week Once a month Once a year (Not Applicable)	Not Applicable applies when no vermiculite is present on the property. ONCE WORK STARTS ON PROPERTY. FUTURE OWNER, CHARLES STAMBAUGH, PLANS ON REMODELING HOUSE. HOUSE NOT OCCUPIED AS OF 11/19/02
	Duration of Contact:	<1 hour 1-2 hours 2-4 hours >4 hours (Not Applicable)	
	Extent of Contact:	Heavy Moderate Light (Not Applicable)	
Type and Frequency of Activity Near Vermiculite Material - Outdoor	Frequency:	Once a day Once a week Once a month Once a year (Not Applicable)	Not Applicable applies when no vermiculite is present on the property. SEE COMMENT ABOVE
	Duration of Contact:	<1 hour 1-2 hours 2-4 hours >4 hours (Not Applicable)	
	Extent of Contact:	Heavy Moderate Light (Not Applicable)	

SUPPLEMENTAL INFORMATION FIELD FORM (continued)

Address: 1325 ADELSTROP RD BD# 003248

Data Item	Value	Notes
CONTAMINANT SCREENING STUDY ASSESSMENT		
Occupant Information		
Is there any knowledge of former miners, close relative of miners, or any highly exposed persons living or visiting the property?	(Yes) No Unknown	father worked at ~~Export~~ Plant Expansion 11/18/02
Is the resident, past or present, diagnosed with an asbestos related disease?	(Yes) No Unknown	mother & both brothers have asbestos mother - died of Asbestosis
Indoor Information		
Does the interior have Zonolite attic insulation?	(Yes) No Unknown	MAIN PART HAS VERMICULITE. ADDITION APPEARS TO HAVE FIBERGLASS INSULATION
Did the interior ever have Zonolite attic insulation?	(Yes) 11.20.02 No Unknown (NA)	NA applies if attic currently has ZAI.
Are there vermiculite additives in any of the building materials?	(Yes) No Unknown	PLASTER ~~[illegible]~~ 11.19.02 ON INTERIOR OF HOUSE
Outdoor Information		
Is there any evidence of primary source materials at or near the property?	(Yes) No Unknown	MOVE TAILINGS VISIBLE IN SOIL ON PROPERTY AND VERMICULITE IN SOIL BEHIND HOUSE
Could this have been tracked indoors or otherwise spread outdoors on the property?	(Yes) No Unknown	
Overall Assessment		
Are primary source materials present at the property?	(Yes) No	ATTIC OF HOUSE, PLASTER ON INTERIOR, SOIL EXTERIOR
Where are primary source materials located?	Inside Outside (Both) NA	

ADDITIONAL INFORMATION CHARLES STAMBAUGH, IS PLUMBING PROPERTY TODAY (11.19.02). MR. STAMBAUGH PLANS ON MOVING TO PROPERTY WITH A TRAILER HOME AND RESTORING THE STRUCTURE ONSITE. VERMICULITE OBSERVED BEHIND HOUSE AND ON THE SSE SIDE OF HOUSE. MOVE TAILINGS OBSERVED ON RAISED BEDS EAST OF HOUSE AND ON THE NORTH AND NORTHEAST CORNER OF PROPERTY. FRONT YARD APPEARS TO HAVE BEEN A PARKING LOT IN THE PAST. AS COMPLETED STRUCTURAL FAIL WAS ENCOUNTERED.

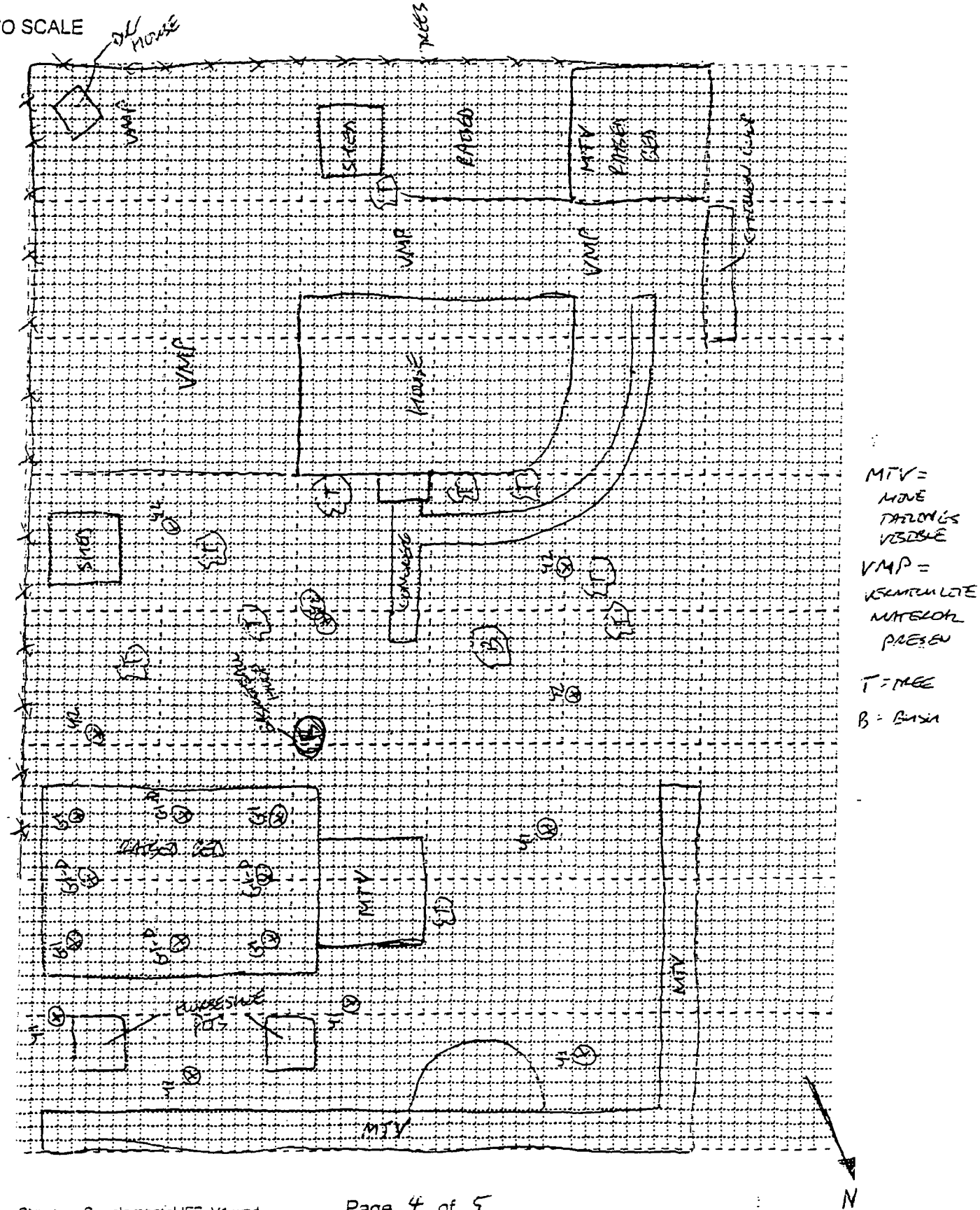
SUPPLEMENTAL INFORMATION FIELD FORM (continued)

Address: 1325 ADESTRO RD BD# 003242

FIELD DIAGRAM OF PROPERTY

Identify important features (i.e. drainage, trees, gardens, structures, flowerbeds, utility poles, known underground utilities, suspected Libby amphibole source areas, sample locations, etc). **Include north arrow.**

NOT TO SCALE



MTV = MORE THAN 10% VISIBLE

VMP = VERMICULITE MATERIAL PRESENT

T = TREE

B = BUSH

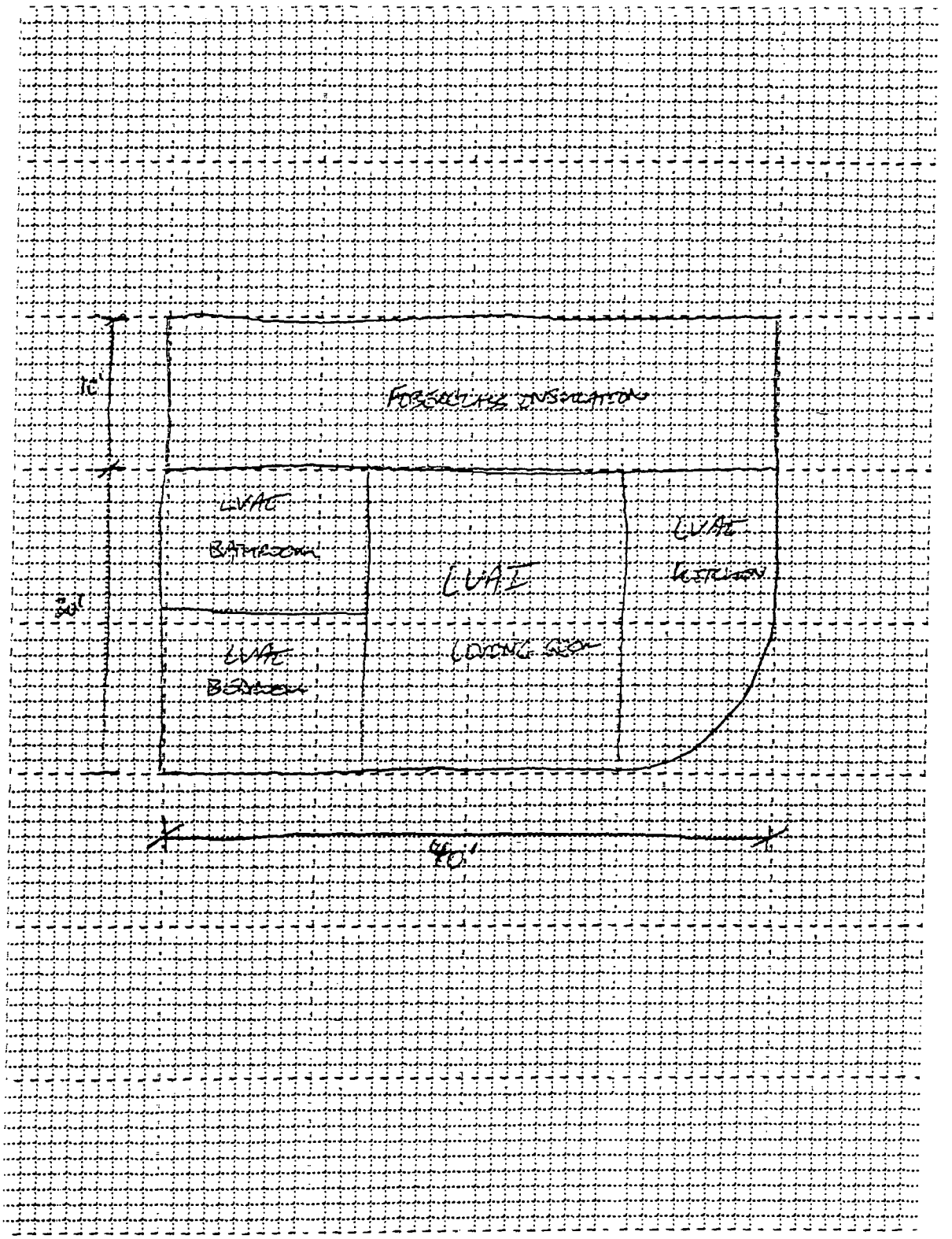
SUPPLEMENTAL INFORMATION FIELD FORM (continued)

Address: 1325 ATHSTEAD RD. BD# 003248

FIELD DIAGRAM OF PRIMARY STRUCTURE

Include approximate dimensions of attic. Use more than one diagram if needed. Completed only if ZAI is present.

Scale: 1/10" = 1 foot



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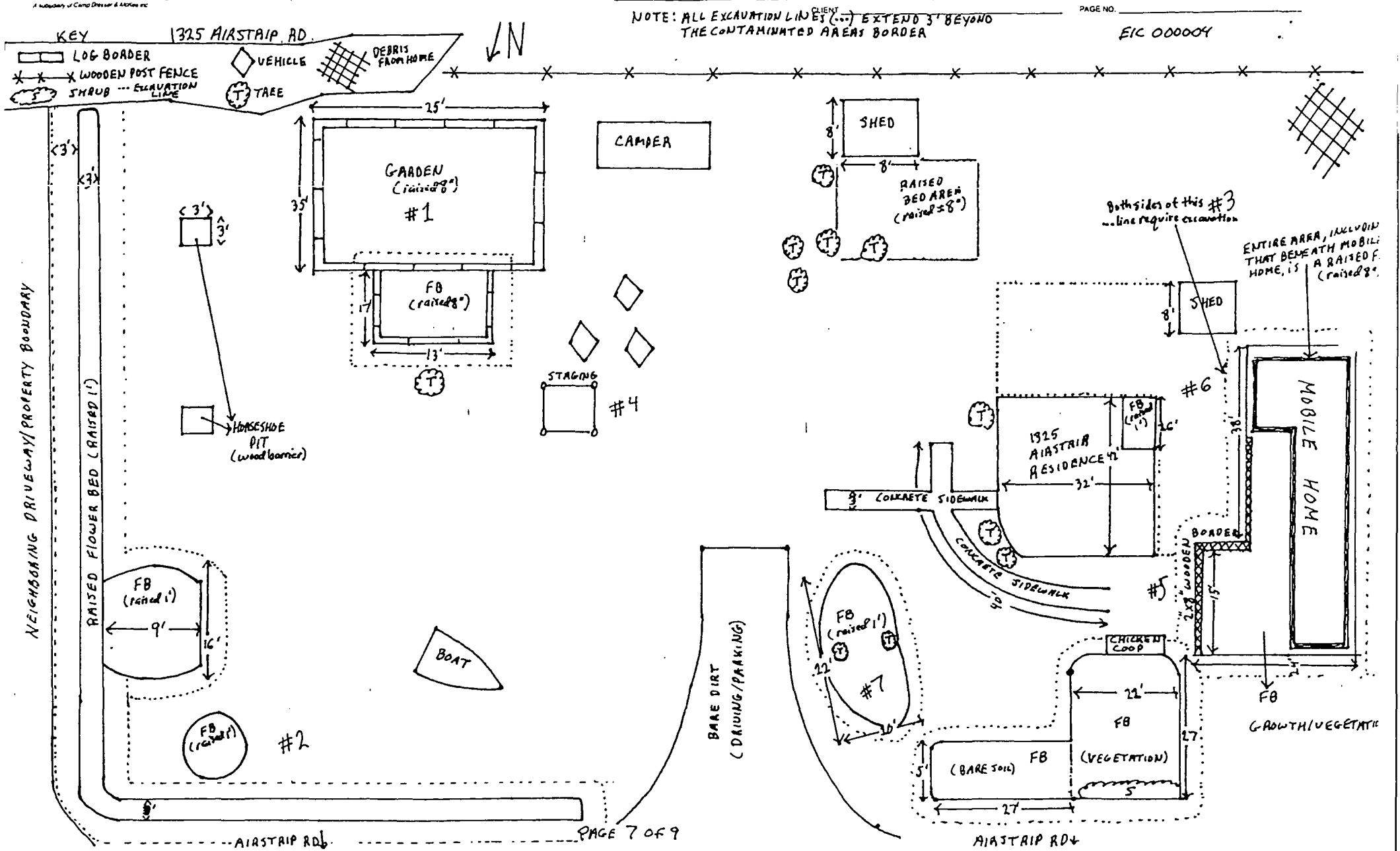
PROJECT _____ JOB NO _____ DATE _____
COMPUTED BY _____ CHECKED BY _____ DATE CHECKED _____
CLIENT _____ PAGE NO. _____

NOTE: ALL EXCAVATION LINES (...) EXTEND 3' BEYOND THE CONTAMINATED AREAS BORDER

EIC 000004



Sh No.: CSS (S) - 004369

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: CSS Field Logbook No: 10005C Page No: 140 Sampling Date: 11/19/02

Address: 1325 Airstrip Rd. Owner: Drew Munro

Business Name: NA

Land Use: (circle) (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (circle) (CDM) MACTEC Other _____ Names: Brian Ryle/Mark Schlebusch

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 10737	CS- 10738	CS- 10739
Location ID	SP- 120937	SP- 120938	SP- 120940
Sample Group	Yard	Yard	Garden ~~Yard~~ BP 11/19/02
Location Description (circle)	Back yard (Front yard) Side yard Other _____	Back yard (Front yard) (Side yard) Other _____	~~Back yard~~ BP 11/19/02 (Front yard) ~~Side yard~~ Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	~~FS~~ BP (FD) of CS-10740 Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples 5	Grab (Comp.) # subsamples BP 11/19/02 4
Sample Time	1400	1407	BP 11/19/02 1420
Top Depth (in.)	0	0	0
Bottom Depth (in.)	1	1	6
Field Comments	BD-003248 COC# 004556		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BP
QC by	WEV

DW 11.20.02

vs 091002

Sh No.: CSS (S) - 004391

CONTAMINANT SCREENING STUDY

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Scenario No.: CSS Field Logbook No: 100056 Page No: 140 Sampling Date: 11/19/02

Address: 1325 Airstrip Rd. Owner: Drew Munro

Business Name: NA

Land Use: (circle) (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (circle) (CDM) MACTEC Other _____ Names: Brian Pyles / Mark Schlabach

G1 BP 11/19/02

Data Item	Sample 1	Sample 2	Sample 3
Index ID	CS- 10740		
Location ID	SP- 120940		
Sample Group	Garden		
Location Description (circle)	Back yard (Front yard) Side yard Other _____	Back yard Front yard Side yard Other _____	Back yard Front yard Side yard Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)	FS FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	Surface Soil Other _____	Surface Soil Other _____
Type (circle)	Grab (Comp.) # subsamples 4	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1415		
Top Depth (in.)	0		
Bottom Depth (in.)	6		
Field Comments	BD-003248 COC# 001556		
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BP
QC by	WEV

DW 11-20-02

vs 091002

Sample ID	Parent ID	Scenario	Property Group (Location)	Sample Group	Location Description (Sub Location)	Media Type	Matrix	Category	Sample Date	PLM			
										Method	LA Bin	LA (%)	C (%)
1D-00096-C		N/A	1325 Airstrip Rd	Yard	North side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00096-FG		N/A	1325 Airstrip Rd	Yard	North side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	A	ND	ND
1D-00097-C		N/A	1325 Airstrip Rd	Yard	West back yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00097-FG		N/A	1325 Airstrip Rd	Yard	West back yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	B1	TR	ND
1D-00098-C		N/A	1325 Airstrip Rd	Yard	South side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00098-FG		N/A	1325 Airstrip Rd	Yard	South side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	B1	TR	ND
1R-20653-B		N/A	1325 Airstrip Rd	Flowerbed	East property former flower-bed	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20654-B		N/A	1325 Airstrip Rd	Flowerbed	NE property former flower-bed	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20655-B		N/A	1325 Airstrip Rd	Garden	Former garden east center of property	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20656		N/A	1325 Airstrip Rd	Yard	Yard south of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20656-B		N/A	1325 Airstrip Rd	Yard	Yard south of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20657-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed west of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20658-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed north of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20659-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed NE of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20660-B		N/A	1325 Airstrip Rd	Flowerbed	Former flower-bed on western edge of property	Soil-Like	Surface soil	Field Sample	7/14/2003	PLM-9002	A	ND	ND
1R-22386-B		N/A	1325 Airstrip Rd	Crawl Space	Crawl space in hallway	Soil-Like	Surface soil	Field Sample	8/15/2003	PLM-9002	B2	< 1	ND
CS-10737-C		N/A	1325 Airstrip Rd	Yard	Front yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-Grav	A	ND	ND
CS-10737-FG		N/A	1325 Airstrip Rd	Yard	Front yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-VE	A	ND	ND
CS-10738-C		N/A	1325 Airstrip Rd	Yard	Front, side yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-Grav	A	ND	ND
CS-10738-FG		N/A	1325 Airstrip Rd	Yard	Front, side yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-VE	A	ND	ND
CS-10739-C	CS-10740	N/A	1325 Airstrip Rd	Garden	Front yard	Soil-Like	Surface soil	Field Duplicate	11/19/2002	PLM-Grav	A	ND	ND
CS-10739-FG	CS-10740	N/A	1325 Airstrip Rd	Garden	Front yard	Soil-Like	Surface soil	Field Duplicate	11/19/2002	PLM-VE	A	ND	ND

LocationPropertyGroupDesc values: = "1421 Utah Ave", = "1325 Airstrip Rd"

Sample ID	Parent ID	Scenario	Property Group (Location)	Sample Group	Location Description (Sub Location)	Media Type	Matrix	Category	Sample Date	PLM			
										Method	LA Bin	LA (%)	C (%)
CS-10740-FG		N/A	1325 Airstrip Rd	Garden	Front yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-VE	A	ND	ND

LocationPropertyGroupDesc values: = "1421 Utah Ave", = "1325 Airstrip Rd"

140 1325 Airstrip Rd.

Location Libby MT Date 11/19/02

Project / Client Residential Removals (CSS)

Owner: Drew Munro Con: Brian Pyles

BD-003248

Author: Brian Pyles

Weather: Overcast 50's

Activities: CSS Recon

Team: Brian Pyles

PPE: Level D

Document: Libby Asbestos Site, Operable Unit 4 SAP. 11/19/02 11/19/02

1400	CS- 10737	SP- 120937
1407	CS- 10738	SP- 120938
1420	CS- 10739	SP- 120940
1415	CS- 10740	SP- 120940
		CSC# 004556
1630	CS- 10741	< Equipment Blank

FSDS# CSS(S)-00438, 004391, 004392

< vermiculite observed in several flowerbeds and back and side yards. Tailing material also in flowerbeds. CV Also visible at entrance to crawl space. House has no electric < is unliveable. Mold smell in house. LUAI in attic & vermiculite in Plaster.

1530 left residence 11/19/02

For Number 000109

LIBBY ASBESTOS PROJECT
Supplemental Interior Inspection Checklist (SIIC)

Field Logbook No.: 1001647 BD 26-3 Page No.: 19/20 Site Visit Date: 4-26-3

BD Number: 003248

Address: 1325 Airstrip Rd. Structure Description: House

Occupant: Charline Stambaugh Phone Number: 293-7884

Owner (If different than occupant): _____ Phone Number: _____

Investigation Team: Paul Opem, Brian Dalton

SIIC Check Completed by (100% of forms): Brian Dalton

	Data Item	Value	Comments
	GENERAL DESCRIPTION		
1.	Type of attic	Finished (Unfinished)	
	Attic ceilings –	Attics within attics (None) Other _____	
	Location of attic entries	Outside Inside (None)	*Sketch location(s) on attached map*
	Number of attic entries	1 2 3 Other: 0	
	Type of entry	Door Removable panel Stairs Other: NA	
	Size of each attic entry *specify units*	1: NA 2: _____ 3: _____ Other: _____	*Add additional information at end of SIIC*
	Attic vents	Number of vents: 0	*Briefly describe and sketch on attached map*

Data Item	Value	Comments
Eave vents present?	Yes No (NA)	*Briefly describe and sketch on attached map*
FINISHED ATTICS		
Kneewalls present?	Yes No NA	*Sketch location(s) on attached map*
Can all areas behind kneewalls be accessed?	Yes No NA	
Number of access to areas behind kneewalls	Number: _____ Type: _____	
Attic floor joist size	_____ in x _____ in	
Attic floor joist spacing	_____ in	
Flooring in finished attic	Tongue and groove Plywood Carpet Linoleum None (open joists) Other: _____	Entire area or partial area
Flooring behind kneewalls	Tongue and groove Plywood Carpet Linoleum None (open joists) Other: _____	Entire area or partial area
Is finished attic furnished?	Yes No NA	Brief description:

Data Item	Value	Comments
Items stored in area behind kneewalls:	Yes No NA	Brief description:
Items in contact with VCI?	Yes No NA	Brief description:
Ceiling material in finished area	Plaster/Lathe Sheetrock Other:_____	
Ceiling construction in finished area	Drop Ceiling Cathedral Other:_____	
General condition of ceiling	Good Poor NA	
Kneewall material	Plaster/Lathe Sheetrock Wood Paneling Other:_____	
Wall finish	Paint Wall paper Plywood Other:_____	
General condition of walls	Good Poor	
UNFINISHED ATTIC		
Can all areas in attic be accessed?	Yes No (NA)	No attic in flat-roofed home

Data Item	Value	Comments
Are any areas in attic segregated into individual rooms?	Yes (No) NA	Brief description:
Number, size, and type of entries between rooms if applicable	N/A	
Attic floor joist size	____ in x ____ in	→ unknown - UC / presence verified from within home, no attic exists and no access to area above ceiling
Attic floor joist spacing	____ in	→
Flooring in attic above joists	Tongue and groove Plywood (None) (open joists) Other:____	Entire area or partial area
Flooring in attic below joists	Brief description: Tongue and groove	
Items stored in attic?	Yes (No) NA	Brief description:
Items in contact with VCI?	Yes (No) NA	Brief description:
GENERAL CONDITION OF ATTIC		
Evidence of physical damage	(Yes) No	*Sketch location(s) on attached map* Entire structure
Evidence of water damage	(Yes) No	*Sketch location(s) on attached map* Mold growing throughout interior
Structural condition of roof	Good (Poor)	
Structural condition of roof rafters	Good (Poor) →	assumption based on structural integrity of home

Data Item	Value	Comments
Structural condition of floor joists	Good (Poor)	
Structural condition of chimney	Good Poor (NA)	hole where stove pipe should be
Any other structural concerns?	Structurally unsound - VCI leakage all over flooring, leaking out ceiling cracks	
LIVING SPACE ASSESSMENT		
Describe: Number/type of rooms in building Furnished/Unfurnished Special concerns	3 Bedrooms 1 Kitchen 1 Living Room 1 Bathroom	Storage items everywhere - tools, furniture Home is in disrepair, wall sections missing, exposed studs/rafters - Holes in flooring (wear PPE when entering)
Ceiling cracks as viewed from living space?	(Yes) No	Every room
Utility conduits in attic leading to living space and/or understructure?	(Yes) No Type: Electrical HVAC (Plumbing) Other: stove pipe hole	*Sketch location(s) on attached map and note gaps if present:*
If yes, VCI observed around conduits?	No (Living space) Understructure Other_____	Location:
ELECTRICAL SYSTEM		
Electrical wire in attic	(Yes) No	
Type of electrical wiring	Bare (with insulators) Insulation type: (Cloth/Ceramic) Plastic Both	

Data Item	Value	Comments
Electrical Outlets/Switches in attic	Yes (No)	Working condition:
Electrical shutoff system	Breaker box (Fuse box) Other: _____	Location: Wall (outside) on NW corner of house
MECHANICAL SYSTEMS		
Plumbing in attic	(Yes) No	
HVAC in attic	Yes (No)	
Heating system	Fuel oil Electric (Propane) Wood stove Other: _____	
Heating type	Forced air (Radiant heat)	
Methods to shut down heating system	(Yes) No	Describe: Control on tank
PLUMBING SYSTEMS		
Water source	City (Well) Other: _____	Contractor able to use water for removal activity? No
Type of water heater	(Electric) Propane Other: _____	
UNDERSTRUCTURE		
Type of understructure	Finished Basement Unfinished Basement (Crawlspace) None	
Type of flooring	Concrete Structural/Wood (Soil) Other_____	

	Data Item	Value	Comments
	Access to understructure	(Yes) No	Location: Hallway floor outside bathroom
	LOCATION AND QUANTITY OF VERMICULITE		
	VCI in attic	(Yes) No	
2.	VCI in above attic *Finished attics only*	Yes No (NA)	
3.	VCI under floor *Finished attics only*	Yes No (NA)	
4.	Depth of VCI in attic	? inches	estimate at 4" based on observation of interior leakage
5.	Square footage of area with VCI	1344 square feet	
6.	Estimated quantity of VCI to remove	16.6 cubic yards	
7.	Other insulation in attic	(Yes) No	Type: (Fiberglass) Cellulose Other: _____
8.	Insulation in contact with VCI or in same space?	(Yes) No NA	
9.	Estimated quantity of other insulation to remove	24.8 cubic yards NA	Calculations: 6" estimate throughout attic of home
10.	VCI in interior walls	(Yes) No Unknown	
11.	VCI in exterior walls	(Yes) No Unknown	
	Other insulation in walls	(Yes) No Unknown	Type: (Fiberglass) Cellulose Other: _____
	Is VCI leaking into living space?	(Yes) No	Rooms: Every room, crawlspace
	Is VCI visible in HVAC registers?	Yes No (NA)	

	Data Item	Value	Comments
12.	Contamination present in understructure?	(Yes - VCI) Yes - Vermiculite in soil No NA	Description:
	Evidence of vermiculite used in building materials?	(Yes) No	If yes, describe condition: Plaster (as of 04/26/09) with in interior of home
	DUST SAMPLING		
13.	Areas(s) where dust samples were not collected due to visible VCI *circle all that apply*	Basement (Ground floor) Second floor Attached garage Other (Crawlspace) None - No visible VCI in living space	
14.	Outbuildings sampled?	(Yes) exterior contamination present No - no exterior contamination No - VCI present in interior	Mobile home to west of contaminated house, and shed.

PHOTO LOG

(1) Scattered VCI ON FLOOR
(2) Storage Items Tools etc. AND VCI present
(3) Ceiling and walls missing
(4) VCI coming out of Ceiling

ADDITIONAL INFORMATION

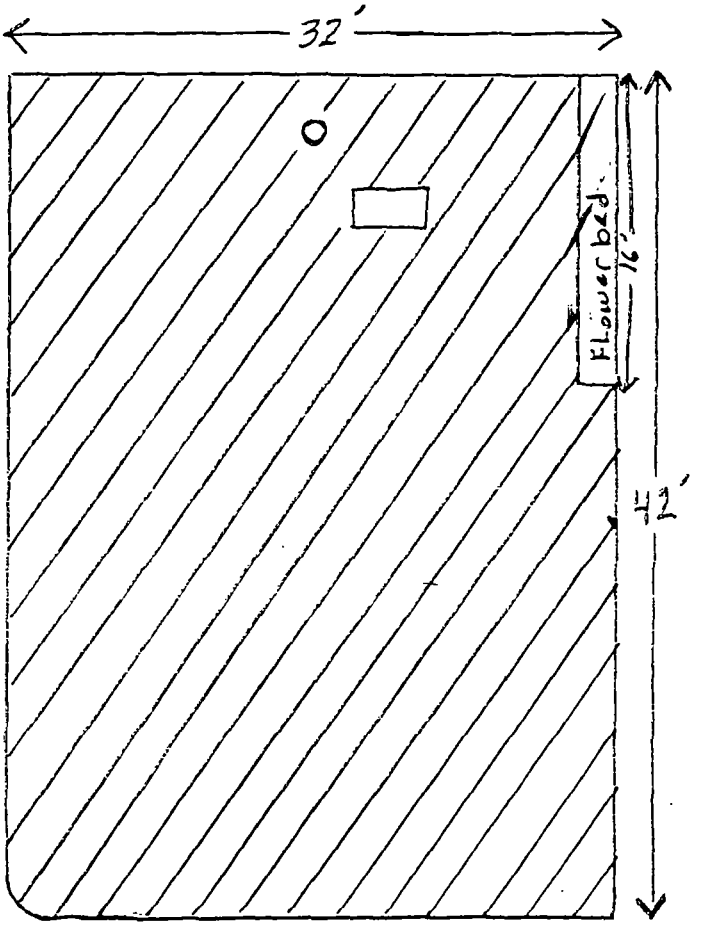
Home contains flat roof, no access to attic area
- VCI is observed within every room, wall, and in the crawlspace

CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

PROJECT _____ JOB NO. _____ DATE 04-26-03
COMPUTED BY _____ CHECKED BY _____ DATE CHECKED _____
CLIENT _____ PAGE NO. _____

BD-003248
SIIC-006109

1325 Airstrip Rd.



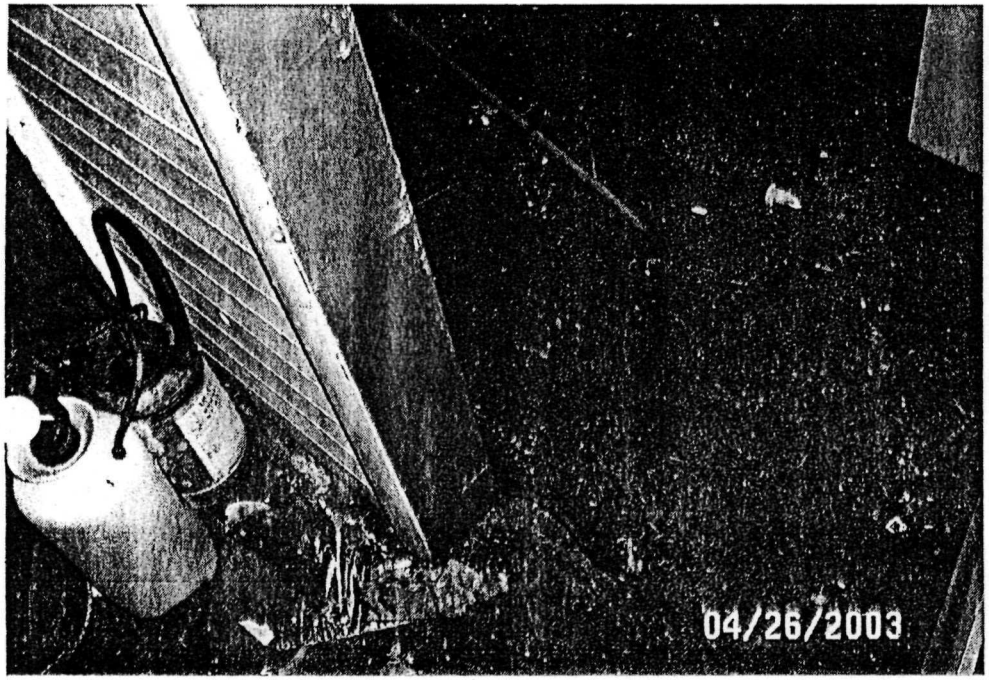
* No Access to Attic, (Flat Roof)

O - Sewage Vent

▭ - Crawl space Access

Note: House in very Poor condition

VCI - in walls, ceiling, crawl space, floor.



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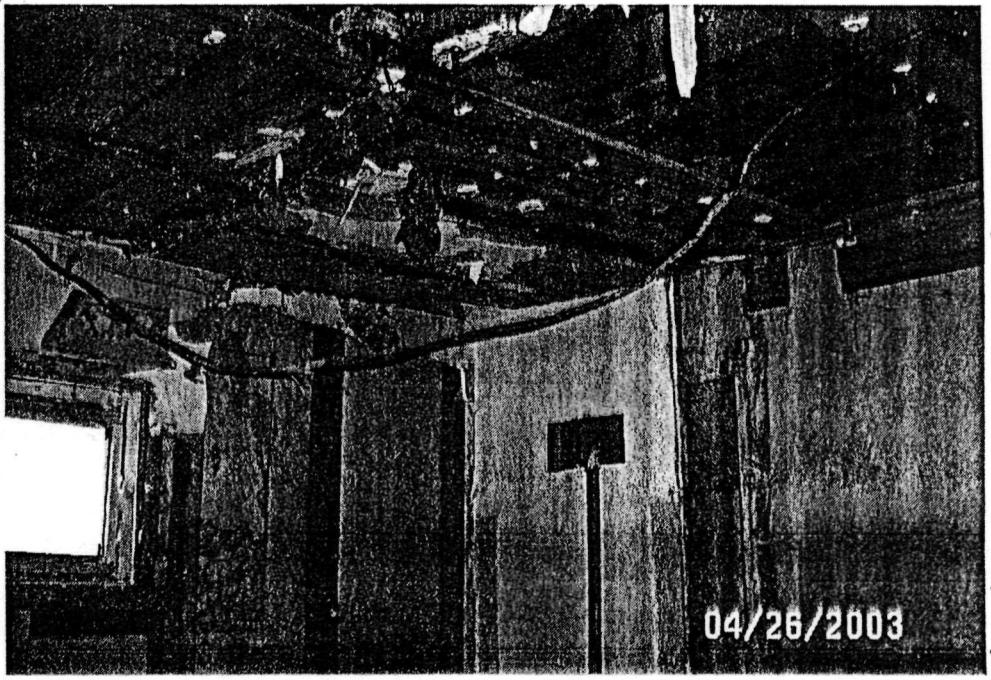

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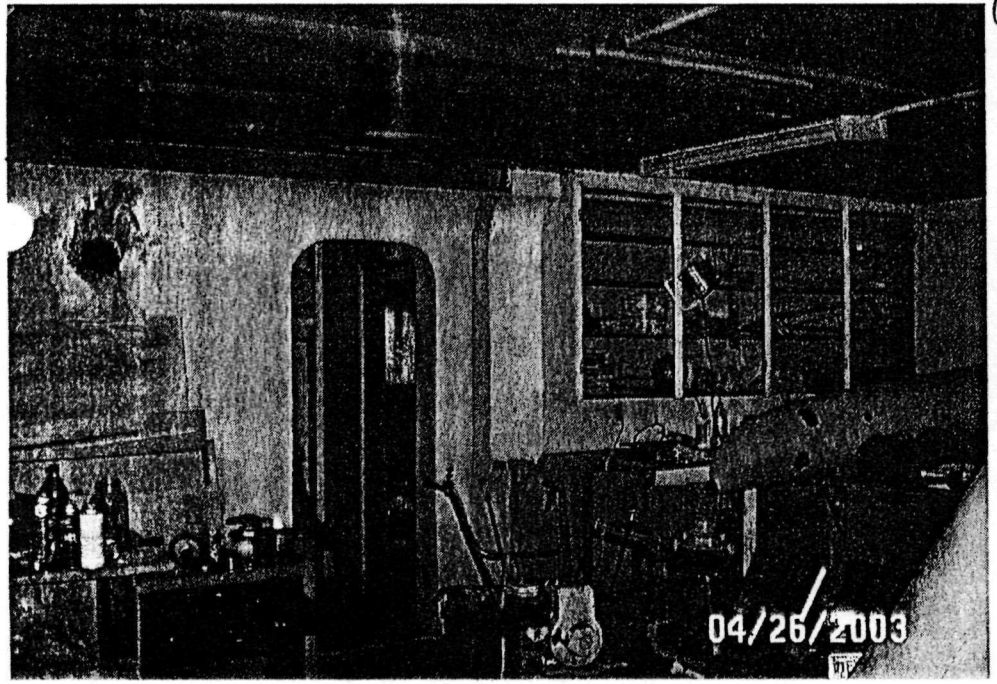

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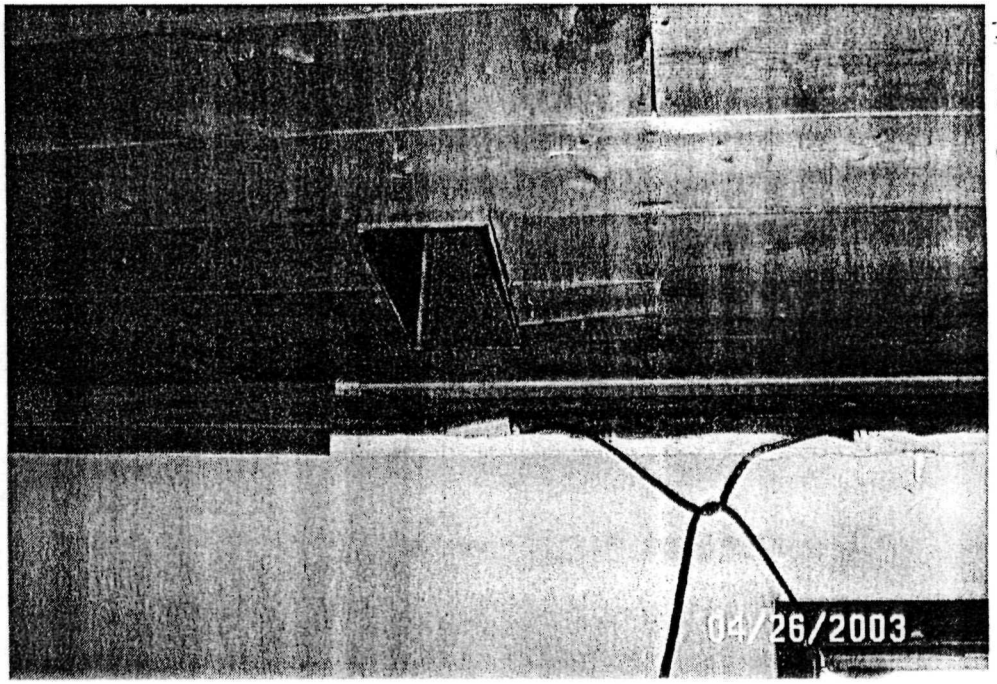


Form Number CCCCC4

LIBBY ASBESTOS PROJECT
Exterior Inspection Checklist (EIC)

Field Logbook No.: 100167 Page No.: 19 #20 Site Visit Date: 04/26/03

AD Number: NA

Address: 1325 Airstrip Rd. Associated BD Number(s): 003248

Occupant: Charles Stambaugh Phone Number: 293-7884

Owner (If different than occupant): _____ Phone Number: _____

Investigation Team: Paul Openy, Brian Dalton

Field Form Check Completed by (100% of forms): Brian Dalton

Data Item	Value	Comments
GENERAL INFORMATION		
Visible vermiculite on property?	(Yes) No	Location:
Vegetation on lawn *contaminated area only*	(Grass) Gravel mix Other _____ (None)	
Trees withir contaminated area?	(Yes) No	Type and caliper: 3 Pine (6") 4 ~~Hemlock~~ Cedar (6-8") 4 Flowering Trees (4")
Shrubs within contaminated area?	(Yes) No	Type and size: Ornamental (6-9' tall)
Secondary structures on property? 2	(Shed) Deck Carport Other mobile home	

1.

	Data Item	Value	Comments
2.	Evidence of contamination beneath secondary structures?	(Yes) No NA	Explain: Beneath mobile home (refer to diagram)
	Items located on contaminated area?	(Yes) No NA	Explain: Trash & storage, vehicles surrounding home. Many items requiring removal from property prior to soil excavation.
	Fence present within contaminated area?	Yes (No) Partial	Type: Illustrate on sketch.
	FLOWERBED		
3.	Number of flowerbeds on property that have visible vermiculite in soil?	5	Illustrate on sketch.
	Flowerbed contain flowers or plants?	Yes (No)	Brief description of type(s):
	GARDEN		
4.	Number of gardens on property that have visible vermiculite in soil	0	Illustrate on sketch.
	Garden contain crops?	Yes (No)	
	DRIVEWAY		
	Type of driveway	Concrete Gravel Asphalt Soil (None) Other_____	Driveway is equivalent to yard

	Data Item	Value	Comments
5.	Analytical results confirm contamination in driveway? *Only applies to gravel or soil driveways.*	Yes No (NA)	Results not in yet
6.	Evidence of vermiculite under driveway? *Only applies to concrete or asphalt driveways.*	Yes - Encapsulated Yes - Exposed No (NA)	
	Complete following only if driveway is contaminated or vermiculite is exposed.		
	Approximate length	Feet _____	
	Approximate width	Feet _____	NA
	Approximate depth	Inches _____	
	Any driveway boarders?	Railroad ties Brick Drain/Gutter Other_____ Flowerbed	
	SIDEWALKS		
	Type of sidewalk	(Concrete) Gravel Asphalt None Other_____	
7.	Evidence of vermiculite under sidewalk? *Only applies to concrete or asphalt sidewalks.*	Yes - Encapsulated Yes - Exposed (No) NA	
	Complete following only if vermiculite is exposed in sidewalk.		
	Approximate length	Feet _____	
	Approximate width	Feet _____	NA
	Approximate depth	Inches _____	
	Any sidewalk boarders?	Railroad ties Brick Drain/Gutter Other_____ Flowerbed	

Data Item	Value	Comments
UTILITIES *Note: Removal contractor must schedule a utility clearance meeting prior to excavation.*		
Water supply	(Well) City Water Other_____	
Wastewater	(Septic System) City Sewage Other_____	
Electrical	Underground (Overhead) Other_____	
Phone	Underground (Overhead) Other_____	
Cable television	Underground (Overhead) Other_____	
Heating oil tank	Yes (No)	
Other utilities not listed		
OTHER		
Visible vermiculite in flower pots/hanging baskets?	Yes (No) NA	
Is property used for commercial purposes?	Yes (No)	
Does owner have outdoor pets?	(Yes) No	Chickens in a coop in N yard
Evidence of fill material imported on property?	(Yes) No	Illustrate on sketch.

Data Item	Value	Comments
DESIGN SAMPLING		
Design sampling necessary?	(Yes) Number of samples collected to establish cut lines 3 3 yard samples. No - Cut lines delineated Other_____ *Illustrate all supplemental sampling locations on sketch*	

8.

PHOTO LOG

1. Garden & Flower Bed (raised) in E yard
2. Flower Bed bordering the E yard
3. Shed & debris from home requiring removal
4. Staging / vehicles in E yard
5. Raised Flower Bed underneath mobile home
6. Yard between house and mobile home
7. Raised Flower Bed in N yard

(Photo #'s are on diagram)

ADDITIONAL INFORMATION

Tons of items ~~strewn~~ strewn about property - must be moved prior to excavation

Vermiculite is present beneath mobile home in W yard - this is resting on a raised flower bed.

NOTE: ALL EXCAVATION LINES (---) EXTEND 3' BEYOND THE CONTAMINATED AREAS BORDER

EIC 000004

KEY 1325 AIRSTRIP RD

LOG BORDER
WOODEN POST FENCE
SHRUB --- EXCAVATION LINE
VEHICLE
TREE
DEBRIS FROM HOME

N

NEIGHBORING DRIVEWAY/PROPERTY BOUNDARY

RAISED FLOWER BED (RAISED 1')

<3'
3'

GARDEN (raised 8") #1
25'
35'
17'
13'
FB (raised 8")

CAMPER

SHED
8'
8'
RAISED BED AREA (raised ≈8")

STAGING
#4

HORSESHOE PIT (wood barrier)

FB (raised 1')
9'
16'

FB (raised 1')
#2

BOAT

5'

BARE DIRT (DRIVING/PARKING)

Both sides of this #3 ...line require excavation

ENTIRE AREA, INCLUDING THAT BENEATH MOBILE HOME, IS A RAISED FB (raised 8")

SHED
8'
#6

MOBILE HOME
38'
2x8" WOODEN BORDER
15'
24'
FB

PROPERTY BOUNDARY

1325 AIRSTRIP RESIDENCE
42'
32'
FB (raised 1')
26'

3' CONCRETE SIDEWALK
CONCRETE SIDEWALK
40'
#5

FB (raised 1')
22'
10'
#7

CHICKEN COOP
22'
FB (VEGETATION)
27'
5'
FB (BARE SOIL)
27'
5

GROWTH/VEGETATION

AIRSTRIP RD

eet No.: PD-S- 000003

PRE-DESIGN INVESTIGATION SAMPLING

FIELD SAMPLE DATA SHEET (FSDS) FOR SOIL

Field Logbook Nc: 100167 Page No: 19 + 20 Sampling Date: 04-26-03

Address: 1325 Airstrip Rd Owner: Charles Stambaugh

Name: — Reference EIC Form # 000004

Land Use: (circle) (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (circle) (CDM) MACTEC Other _____ Names: Brian Dalton + Paulapa

Data Item	Sample 1	Sample 2	Sample 3
Index ID BD 04-26-03	1D- 00096	1D- 00097	1D- 00098
Location ID BD 04-26-03	SP- 121043	SP- 121044	SP- 121045
Sample Group	yard	yard	yard
Location Description (circle)	Back yard Front yard (Side yard) North Other _____	(Back yard) west Front yard Side yard Other _____	Back yard Front yard (Side yard) South Other _____
Category (circle)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)	(FS) FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	(Surface Soil) Other _____	(Surface Soil) Other _____	(Surface Soil) Other _____
Type (circle)	Grab (Comp. # subsamples 5)	Grab (Comp. # subsamples 5)	Grab (Comp. # subsamples 5)
Sample Time	1128	1135	1148
Top Depth (in.)	0	0	0
Bottom Depth (in.)	1	1	1
Field Comments	Associated with CS- sample: CS- N/A	Associated with CS- sample: CS- _____	Associated with CS- sample: CS- _____ PO - 04/28/03
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Field Team	Initial
Completed by	BD
QC by	PO

Sheet No.:PD-D- 00044

PRE ESIGN INVESTIGATION SAMPLING
LIBBY MONTANA FIELD SAMPLE DATA SHEET
DUST

Scenario No.:NA Field Logbook No: 100167 Page No: 19020 Sampling Date: 04-26-03

Address: 1325 Airstrip Rd. (Owner)/Tenant: Charles Stumbaugh

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: Paul Opem + Dion Dalton

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID (ED 04-26-03)	1D- 00099	1D- 00100	1D- 00121
Location ID	3D-0032418		
Matrix Type (circle)	Garage, House, (Shed,) SW Pump House Other	Garage, House, (Shed,) SE Pump House Other	Garage, House, Shed, Pump House Other
Sample Group (circle)	Basement, (Ground Floor,) Second Level Other	Basement, (Ground Floor,) Second Level Other	Basement, (Ground Floor,) Second Level Other
Location Description (circle)	(Horizontal Surfaces) High Traffic Areas Other	(Horizontal Surfaces) High Traffic Areas Other	Horizontal Surfaces High Traffic Areas Other
Category (circle)	(FS) Blank	(FS) Blank	FS (Blank)
Sample Area (cm^2) (circle)	100 200 (300) NA	100 200 (300) NA	100 200 300 (NA)
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	25mm 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM-. 45) PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer (Dry-Cal) NA	Rotometer (Dry-Cal) NA	Rotometer Dry-Cal NA
Pump ID Number	512856	512856	
Flow Meter ID No.	B-1610, S-1521	B-1610, S-1521	
Start Time	1022 / 1024 / 1026	1036 / 1038 / 1040	/ /
Start Flow	2.0	2.0	
Stop Time	1024 / 1026 / 1028	1038 / 1040 / 1042	/ /
Stop Flow	/ / 2.0	/ / 2.0	/ /
Pump fault? (circle)	(No) Yes	(No) Yes	No Yes
Field Comments	100 cm^2 N wall 100 cm^2 S wall 100 cm^2 E wall	100 cm^2 S wall 100 cm^2 E wall 100 cm^2 N wall	100 cm^2 100 cm^2 100 cm^2
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Sheet No.:PD-D- 000040

PRE-DESIGN INVESTIGATION SAMPLING
LIBBY MONTANA FIELD SAMPLE DATA SHEET
DUST

Scenario No.:NA Field Logbook No: 100167 Page No: 19+20 Sampling Date: 04-26-03

Address: 1325 Airstrip Rd. Owner/Tenant: Charles Stambaugh

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: Brian Dalton + Paul Open

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	BD 04-26-03 **1D- 00122**		
Location ID			
Matrix Type (circle)	Garage, House, Shed, Pump House Other_____	Garage, House, Shed, Pump House Other_____	Garage, House, Shed, Pump House Other_____
Sample Group (circle)	Basement, Ground Floor, Second Level Other_____	Basement, Ground Floor, Second Level Other_____	Basement, Ground Floor, Second Level Other_____
Location Description (circle)	Horizontal Surfaces High Traffic Areas Other_____	Horizontal Surfaces High Traffic Areas Other_____	Horizontal Surfaces High Traffic Areas Other_____
Category (circle)	FS (Blank)	FS Blank	FS Blank
Sample Area (cm^2) (circle)	100 200 300 (NA)	100 200 300 NA	100 200 300 NA
Filter Diameter (circle)	25mm 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 PCM- 0.8	TEM-. 45 PCM-0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA	Rotometer Dry-Cal NA
Pump ID Number			
Flow Meter ID No.			
Start Time			
Start Flow			
Stop Time			
Stop Flow			
Pump fault? (circle)	No Yes	No Yes	No Yes
Field Comments	100 cm^2 100 cm^2 100 cm^2	100 cm^2 100 cm^2 100 cm^2	100 cm^2 100 cm^2 100 cm^2
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

Sample ID	Parent ID	Scenario	Property Group (Location)	Sample Group	Location Description (Sub Location)	Media Type	Matrix	Category	Sample Date	PLM			
										Method	LA Bin	LA (%)	C (%)
1D-00096-C		N/A	1325 Airstrip Rd	Yard	North side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00096-FG		N/A	1325 Airstrip Rd	Yard	North side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	A	ND	ND
1D-00097-C		N/A	1325 Airstrip Rd	Yard	West back yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00097-FG		N/A	1325 Airstrip Rd	Yard	West back yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	B1	TR	ND
1D-00098-C		N/A	1325 Airstrip Rd	Yard	South side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00098-FG		N/A	1325 Airstrip Rd	Yard	South side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	B1	TR	ND
1R-20653-B		N/A	1325 Airstrip Rd	Flowerbed	East property former flower-bed	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20654-B		N/A	1325 Airstrip Rd	Flowerbed	NE property former flower-bed	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20655-B		N/A	1325 Airstrip Rd	Garden	Former garden east center of property	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20656		N/A	1325 Airstrip Rd	Yard	Yard south of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20656-B		N/A	1325 Airstrip Rd	Yard	Yard south of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20657-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed west of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20658-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed north of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20659-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed NE of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20660-B		N/A	1325 Airstrip Rd	Flowerbed	Former flower-bed on western edge of property	Soil-Like	Surface soil	Field Sample	7/14/2003	PLM-9002	A	ND	ND
1R-22386-B		N/A	1325 Airstrip Rd	Crawl Space	Crawl space in hallway	Soil-Like	Surface soil	Field Sample	8/15/2003	PLM-9002	B2	< 1	ND
CS-10737-C		N/A	1325 Airstrip Rd	Yard	Front yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-Grav	A	ND	ND
CS-10737-FG		N/A	1325 Airstrip Rd	Yard	Front yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-VE	A	ND	ND
CS-10738-C		N/A	1325 Airstrip Rd	Yard	Front, side yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-Grav	A	ND	ND
CS-10738-FG		N/A	1325 Airstrip Rd	Yard	Front, side yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-VE	A	ND	ND
CS-10739-C	CS-10740	N/A	1325 Airstrip Rd	Garden	Front yard	Soil-Like	Surface soil	Field Duplicate	11/19/2002	PLM-Grav	A	ND	ND
CS-10739-FG	CS-10740	N/A	1325 Airstrip Rd	Garden	Front yard	Soil-Like	Surface soil	Field Duplicate	11/19/2002	PLM-VE	A	ND	ND

LocationPropertyGroupDesc values: = "1421 Utah Ave", = "1325 Airstrip Rd"

Sample ID	Scenario	Task	Property Group (Location)	Sample Group	Location Description (Sub Location)	Media Type	Matrix	Sample Type	Category	Pre Post Clear	Vol (L)/ Area (cm^2)	Sample Date	Grid Open ings	Filter Status Non Analyzed	ISO Libby Amphiboles (LA) Excluded Structures Aspect Ratio < 5:1	Excluded Structures Length < 0.5 u	Excluded Structures Dia-meter > 0.5u	Structures Detected Length 0.5 to 5 u	Structures Detected Length 5 to 10 u	Structures Detected Length > 10 u	Total Conc. LA	Total Count LA
1D-00099	N/A		1325 Airstrip Rd	Ground Floor	Horizontal surfaces	Dust	Shed		Field Sample	N/A	300	4/26/2003	10		0	0	0	0	0	0	0	0
1D-00100	N/A		1325 Airstrip Rd	Ground Floor	Horizontal surfaces	Dust	Shed		Field Sample	N/A	300	4/26/2003	10		0	0	0	0	0	0	0	0
1D-00125	N/A		1325 Airstrip Rd	Mobile Home	Ground floor	Dust	Horizontal surface & high traffic area		Field Sample	N/A	300	4/29/2003	10		0	0	0	0	0	0	0	0

LocationPropertyGroupDesc values: = "1421 Utah Ave", = "1325 Airstrip Rd"

4-1-3
gion 8
Residence

to complete
-00082.
Rain.
PPE:
d in
noted
Floor.
Fiberglass
Fiberglass
pleted
in garage
+ 7 Garden

Location 1325 Airstrip Rd. Date 04-26-03

Project / Client Libby Asbestos-EPA/Volpe Region 8

BD-003248 Stambaugh Residence

0930: ON site @ 1325 Airstrip Rd. to complete an Interior Design Inspection, Exterior design Inspection and Dust sampling IAW pre-design Dust sampling Protocol 2003. Weather: 45°F →65°F P.C. Author: Bion Dalton. Team: Paul Opem And Bion Dalton. PPE: Level C House Entry due to the Extent of contamination Equipment used for the day: Decon Wipes, Di-Water, Sampling Bowls, garden Tool, SKC low volume pump, Gloves, 10+ FICA, 0.45mm micro vue sampling cassettes. VCI noted throughout the house, crawlspace, ceiling, walls And Floors. No Attic Access due to flat roof. SKC low volume pump # 512856 Was calibrated prior to use at the com Field office using a drycal B-1610, S-1521 - avg reading was 2.0. samples: ID-00099 was collected and sealed. ~~+D-000~~ BD436-3 ID-00100 was collected And sealed. ID-00121 was collected And sealed. The above samples were Horizontal surfaces only due to Dirt Floors in the out buildings. One Sample Could not be collected Due to owner not having key to Mobil Home trailer that is being used for Storage. ID0122 - collected and sealed. →

20

Location 1325 Airstrip Rd Date 04-26-03

Project / Client Libby Asbestos-EPA/Volpe Region 8

BD-003248 Steenbaugh Residence

Location _____

Project / Client _____

→ continuing from page 19. Dust samples ID-00121 and ID-00122 were Field Blanks. FSD# 000044 and 000043. COC# 005049. Sample relinquished to CDM sample custodian @ 1300 hrs. Soil sampling was also completed. Samples: ID-00096, SP-121043 ID-00097, SP-121044. ID-00098, SP-121045. FSDS# 000003, COC-005048. Samples relinquished to CDM sample custodian at 1430 hrs. All Equipment used today was decon'd with Di water and put back in storage area. VCI noted visually throughout the Entire yard. Samples taken today were from the two side yards and the back yard. The front yard and gardens, Flower beds were sampled at an earlier Date. EIC-000004 was completed. and SIIC-000109. No Further Entries

Brian Delfin

Brian Delfin 0426-03

Sheet No.:PD-D- 00046

PRE- ESIGN INVESTIGATION SAMP NG
LIBBY MONTANA FIELD SAMPLE DATA SHEET
DUST

Scenario No.:NA Field Logbook No: 100167 Page No: 22 Sampling Date: 04/29/03

Address: 1325 Airstrip Rd. Owner/Tenant: Charles Stambaugh

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC (CDM) Other _____ Names: Paul Opem

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID 04/29/03 PO	1D- 00125	1D- 00126	1D- 00127
Location ID	BD- 003248		
Matrix Type (circle)	Garage, House, Shed, Pump House Other mobile home	Garage, House, Shed, Pump House Other NA	Garage, House, Shed, Pump House Other NA
Sample Group (circle)	Basement, (Ground Floor), Second Level Other	Basement, Ground Floor, Second Level Other PO 04/29/03	Basement, Ground Floor, Second Level Other PO 04/29/03
Location Description (circle)	(Horizontal Surfaces) (High Traffic Areas) Other	Horizontal Surfaces High Traffic Areas Other	Horizontal Surfaces High Traffic Areas Other
Category (circle)	(FS) Blank	FS (Blank)	FS (Blank)
Sample Area (cm^2) (circle)	100 200 (300) NA	100 200 300 (NA)	100 200 300 (NA)
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8	(TEM- .45) PCM- 0.8
Flow Meter Type (circle)	Rotometer (Dry-Cal) NA	Rotometer Dry-Cal (NA)	Rotometer Dry-Cal (NA)
Pump ID Number	512791		
Flow Meter ID No.	B-1610, 5-1521		
Start Time	1335 / 1337 / 1339		
Start Flow	2.0		
Stop Time	1337 / 1339 / 1341		
Stop Flow	2.0	PO 04/29/03	PO 04/29/03
Pump fault? (circle)	(No) Yes	No Yes	No Yes
Field Comments	100 cm^2 Front Door 100 cm^2 Back Door 100 cm^2 W Kitchen Counter	100 cm^2 100 cm^2 100 cm^2	100 cm^2 100 cm^2 100 cm^2
	Entered ___ Validated ___	Entered ___ Validated ___	Entered ___ Validated ___

ver 04/1/03

22

Location 1325 Airstrip Rd Date 04-29-03

Project / Client Libby Asbestos - EPA/Volpe Region 8

BD-00 3248 Stambaugh Residence

Location

Project / Client

1330: arrived @ 1325 Airstrip Rd to complete ~~PD~~ BD Dust sampling EPA/LW pre-design Dust Sampling Protocol 2003. Weather; 60°F PC. Author: Bion Dalton. Team: Bion DALton. Equipment; SKC low volume pump, gloves, Decon ~~wipes~~ BD Wipes, lot FiCA micro vac sampling cassettes, 100cm² stencil. Prior to sampling the low volume pump was calibrated at the CDM Field office with in the 2.0 limit. COC# 005051 FSDS# PD-D-000046.

ID-00125 - Collected And Sealed

ID-00126 - Collected And sealed

ID-00127 - Collected And Sealed.

Samples Relinquished to CDM Sample Custodian @ 1405. No Further Entries.

Bion Dalton 4-29-3

Bion DALton

FILE

Addendum to the Comprehensive Residential Removal Action Plan

Stambaugh Residential Removal Plan

1325 Airstrip Road

1.0 Introduction

The Environmental Engineering Division (DTS-33) of the U.S. Department of Transportation's John A. Volpe National Transportation Systems Center (Volpe Center) is providing environmental engineering and contaminant removal support to Region 8 of the U.S. Environmental Protection Agency (EPA) on the Libby, Montana Asbestos Project. The Volpe Center, it's contractor, CDM Federal Programs Corporation (CDM), and CDM's subcontractor, MACTEC Federal Programs (MACTEC), have been requested by EPA Region 8 to provide specific technical support for removal actions at commercial and residential properties within the town of Libby that are known to be contaminated with Libby amphibole (LA) asbestos. This removal work plan is an addendum to the Comprehensive Residential Removal Action Plan (Plan) (Volpe 2002) and details specific information regarding removal activities that will take place at 1325 Airstrip Road (Stambaugh residence).

This removal work plan includes property characterization data and planned remediation activities. The Plan, which details specific protocol for the removal of contaminated soil, vermiculite-containing insulation (VCI), and interior dust should be referenced during the removal activities for this property.

2.0 Property Background

On March 5, 2002, as part of the Phase 1 investigation, CDM and MACTEC completed a Background Information Field Form (Form # 00204) for the house at 1325 Airstrip Road. No dust samples were collected due to excessive debris throughout the interior of the house. The house was not supplied with electricity; therefore the house was not heated. The lack of lighting and the overall poor condition of the interior of the house made it difficult to collect samples.

On November 19, 2002, CDM performed a Contaminant Screening Study (CSS) investigation at the Sullivan residence. A Primary Structure and Property Assessment Supplemental Information Field Form (IFF) was completed for the house (BD-003248) during the investigation. The CSS field team observed VCI leaking into the living space from the ceiling in the bathroom. Additionally, vermiculite was observed in the yard and property flowerbeds.

In order to fully characterize the property's outdoor areas, soil samples were collected from the property during the CSS investigation. Two 5-point composite surface (0 to 1 inch) soil samples were collected from the home's surrounding yard areas. One surface (0 to 6 inches) soil sample was collected from the raised flowerbed located on the east corner of the property (see SIIC for details and locations). All soil samples

were collected in accordance with the Final Sampling and Analysis Plan for the CSS investigation (CDM 2002a) and applicable modifications (CDM 2002b). Soil samples were submitted for LA asbestos by PLM (NIOSH 1994). Analytical results for all soil sample collected were nondetect. Because vermiculite was visible in all other flowerbeds and the yard area directly south of the house, soil samples were not collected from these areas.

On April 26, 2003, CDM conducted a pre-design interior and exterior inspection and completed a Supplemental Interior Inspection Checklist (SIIC) (SIIC #000109) and an Exterior Inspection Checklist (EIC) (EIC #000004) for the property. The purpose of this investigation was to collect additional information on the house and its contaminated areas for removal planning purposes. The house does not have a proper attic space. The roof construction is flat with no access to the space between the ceiling and roof. The construction (i.e., profile) of the roof is not known due to limited access. However, it is assumed that approximately 4 inches of VCI exists between the roof and ceiling. In additional the roof is insulated with approximately 6 inches of fiberglass insulation. The inspection also revealed VCI throughout the entire living space of the house. Additionally, VCI was observed in the interior and exterior walls. Dust sampling was not necessary inside due to observing VCI within the interior living space of the house. A copy of the SIIC is included as an attachment to this document. It should be noted that the condition of the house is very poor. The walls are in poor condition and there are holes throughout the interior floor. Appropriate personal protective equipment (PPE) should be worn when entering the house.

The exterior inspection checklist revealed vermiculite in the flowerbeds around the perimeter of the house. In addition, vermiculite was found in two other flowerbeds on the east and west side of the house. Additional information on the location of vermiculite on the property can be found on the EIC and attached drawing. The EIC is included as an attachment to this document.

3.0 Removal Activities

Contaminated soils will first be removed from contaminated yard areas and flowerbeds throughout the property. Next, VCI will be removed from the space between the ceiling and roof of the house. An interior cleaning will be performed after the bulk insulation has been removed.

3.1 Pre-Construction Meeting

Prior to removal activities, a pre-construction meeting will be held to discuss removal activities with the property owner. Representatives from the Volpe Center, CDM, and the removal contractor will attend the meeting. The CDM Community Involvement Coordinator (CIC) will produce a removal and restoration agreement form, summarizing the pre-construction meeting minutes. The removal and restoration agreement will include specific removal details not included in this addendum and will be referenced prior to removal activities. The form will be approved and signed

by the property owner and representatives from Volpe, CDM, and the removal contractor before removal activities begin. A copy of the agreement form will be distributed to the property owners, Volpe, and the removal contractor. If changes in the removal activities necessitate deviations in the agreement form, an addendum to the agreement form will be produced by the CIC and approved by the resident and representatives from the Volpe Center, CDM, and the removal contractor. It is recommended that PPE (i.e., booties) be worn when entering the house

3.2 Contaminated Soil Removal

The removal contractor will be responsible for selecting the appropriate equipment for conducting the soil excavation based on the planned removal. The equipment may include an appropriate sized hydraulic excavator, a vacuum truck, or hand tools, depending on the size and complexity of the removal. The following areas will require soil excavation based on previous investigations:

- Yard areas
- Flowerbeds

3.2.1 Yard Area Excavation

Vermiculite was observed in various yard areas throughout the property. In accordance with current removal protocol, these yard areas were sampled to determine if the soils are contaminated with LA asbestos. Sample location and results are described in Section 2.0. The only yard areas requiring excavation are located south and east of the house as indicated on the property sketch (EIC) and survey. In addition, there are various yard areas that will require excavation around the perimeter of contaminated flowerbeds (Section 3.2.2).

All contaminated soil within the yard areas will be excavated to a depth of 12 inches below ground surface (bgs). If gross visible vermiculite is still observed at 12 inches bgs, an additional 6 inches of soil will be excavated or until no more vermiculite is observed. This will be determined by the CDM oversight representative. Horizontal excavation limits are indicated on the property survey. The total amount of soil to be removed from the flowerbeds is approximately 25 cubic yards. Confirmation soil sampling will be collected in accordance with the Plan (Volpe 2002).

3.2.2 Flowerbed Excavation

Vermiculite was observed in various flowerbeds throughout the property. Flowerbeds are considered specific use areas (i.e., routine intrusive activity) and will be removed based on visual confirmation of vermiculite within the soil matrix. Specifically, flowerbeds containing vermiculite and/or LA asbestos were found in the following areas and will be removed by the removal contractor:

- Raised flowerbed west of the house - note presence of mobile home

- Flowerbed north of the house near chicken coup
- Raised flowerbed northeast of the house
- Raised flowerbeds on eastern section of property

A sketch of the property illustrating the location and dimension of all contaminated flowerbeds is included in the EIC. All contaminated soil within the flowerbeds will be excavated to a depth of 18 inches below ground surface (bgs). If gross visible vermiculite is still observed at 18 inches bgs, an additional 6 inches of soil will be excavated or until no more vermiculite is observed. This will be determined by the CDM oversight representative. Horizontal excavation limits are indicated on the property sketch. The total amount of soil to be removed from the flowerbeds is approximately 41 cubic yards. Confirmation soil sampling will be collected in accordance with the Plan (Volpe 2002).

There are various items within the flowerbed areas. Specifically, a mobile home, chicken coup, and miscellaneous tools exist within the some flowerbeds. The mobile home will be supported in place while the vermiculite-containing soil is removed; however, it may be determined that moving the mobile home will quicken the removal process. This will be determined by the removal contractor. All other items will be cleaned with water to removal all visible soil and stored in a secure location until removal activities area complete. Any salvageable vegetation within the flowerbeds will be cleaned with water (root system) and temporarily planted (i.e. 5-gallon buckets) until removal activities are complete. Any vegetation not deemed salvageable will be documented and removed during excavation activities.

3.2.3 Property Survey

A survey of the property was completed and is attached to this work plan addendum. The survey details significant landmarks and demarcates areas requiring excavation.

3.3 Insulation Removal

The house does not have a proper attic. Rather, the house is insulated with VCI and fiberglass in a space between the ceiling and roof. It should be noted that the structural integrity of the roof appears to be very poor. There are no accesses to the space containing insulation. Due to the poor condition of the interior ceiling, it would be impossible to sufficiently seal the area containing VCI. Therefore, the VCI will be removed by removing the ceiling from the interior of the house. The roof will not be used as an access (i.e., no additional access in the roof will be developed). All ceiling construction materials will be disposed of as asbestos-contaminated construction debris.

According to the SIIC, the exterior and interior walls also contain VCI. Light switches, outlets, and lighting fixtures will be inspected for the presence of VCI. If

present the voids will be HEPA vacuumed to remove any visible VCI and sealed to prevent further leakage.

The entire footprint of the house measures approximately 1344 square feet (ft^2). The depth of VCI throughout the ceiling void space was estimated at 4 inches. Fiberglass insulation was estimated to be present with an estimated depth of 10 inches. The total estimated volume of VCI and fiberglass within the void space is approximately 16.6 and 24.8 cubic yards (yd^3), respectively. All insulation will require removal by the contractor.

Electricity will be temporarily shut off during the removal activities. The removal contractor will provide a portable generator for equipment requiring electricity. It will be the responsibility of the removal contractor to ensure water pipes do not freeze should temperatures drop below freezing. Pending approval from the property owner, the removal contractor will utilize the resident's potable water source for the removal activities. Water usage is expected to be minimal, as water will only be used for personal and equipment decontamination. However, if the property owner notices a significant increase in usage, the removal contractor will be responsible for paying the increased costs. The property owner will be required to provide documentation (e.g., previous month's statement, last year's statement, etc.) for approval by the onsite government representative. All decontamination water will be captured and disposed of offsite.

VCI within the void space will be removed using a truck-mounted vacuum as indicated in the Plan. Visual inspections and air monitoring/clearance sampling will be conducted in accordance with the Plan. Additional information on the house can be found on the SIIC (Attachment A).

3.4 Interior Cleaning

An interior cleaning will be performed in the interior of the house as VCI was observed within all living spaces. The interior cleaning will include a wet wiping of all non-textile surfaces with disposable rags and clean water, or an equivalent. A vacuum equipped with a high-efficiency particulate air (HEPA) filter will be used to vacuum textile surfaces as appropriate. Visual inspections and air monitoring/clearance sampling will be conducted as specified in the Plan.

4.0 Restoration Activities

Restoration activities will occur within the interior of the house and within yard and flowerbed areas. Should exterior removal excavation spread to any adjacent areas due to subsurface observation of vermiculite during excavation, these additional soil areas will also require restoration.

4.1 Exterior Restoration

Restoration will be completed after all contaminated soil has been removed from the site. All exterior restoration efforts will employ "replace in kind" methods. That is, any contaminated material removed (e.g., soil, vegetation, decorative ornaments, etc.) during soil excavation will be replaced with similar items less than or equal to the original value. All contaminated flowerbed soil will be replaced by government-approved topsoil. Any flowerbed items not salvaged will be replaced as necessary. The removal contractor will contract with a local nursery/florist to replace any vegetation removed during soil excavation. Any items deemed to be salvageable and cleaned prior to soil removal will be restored to their original condition and position on the property after removal activities are complete. The removal contractor will provide to CDM the estimated yards of topsoil replaced for documentation and sample tracking.

4.1 Interior Restoration

According to the homeowner, significant remodeling efforts are planned once the government has removed the contaminated insulation. The ceiling and insulation (batting) will be replaced once the homeowner has repaired the roof. In addition, if any walls are damaged as a result of VCI wall removal, they too will be replaced after the homeowner has completed remodeling efforts.

5.0 References

CDM. 2002a. Final Sampling and Analysis Plan, Remedial Investigation, Contaminant Screening Study, Libby Asbestos Site, Operable Unit 4, Libby, Montana. April 2002.

CDM 2002b. Record of Deviation/Request for Modification Forms for the Contaminant Screening Study Sampling and Analysis Plan, Libby Asbestos Site, Operable Unit 4, Libby, Montana, Revision 3. November 27, 2002.

NIOSH. 1994a. Asbestos (bulk) by PLM. Method 9002, Issue 2. August.

NIOSH. 1994b. Asbestos by TEM. Method 7402, Issue 2. August.

Volpe. 2002. Comprehensive Residential Removal Activity Plan. Revision 2. December.

Sheet No.: R-SA-000123

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

Scenario No.: NA Field Logbook No: 100232 Page No: 33-34 Sampling Date: Tues. 9-July-03

Address: 1325 Airstrip Rd. Owner/Tenant: Stambaugh

Business Name: NA

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (MACTEC) CDM Other _____ Name(s): Sophia Kapranos

Data Item	Cassette 1	Cassette 2 (SK 9-July-03)	Cassette 3 (SK 9-July-03)
Index ID (SK 9-July-03)	1R- 21421	1R- 21422	1R- 21423
Location ID (SK 9-July-03)	AD- 000717	AD-000717	AD-000717
Sample Group	Yard	Yard	Yard
Location Description	North West corner of Exclusion Zone.	North East Corner of ~~Corner of~~ (SK 9-July-03) Exclusion Zone.	South East Corner of Exclusion Zone.
Category (circle)	(FS) Blank Rep_____	(FS) Blank Rep_____	(FS) Blank Rep_____
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor (Outdoor) NA	Indoor (Outdoor) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	TEM-.45 (PCM-0.8)	TEM-.45 (PCM-0.8)	TEM-.45 (PCM-0.8)
Flow Meter Type (circle)	(Rotometer) DryCal NA	(Rotometer) DryCal NA	(Rotometer) DryCal NA
Pump ID Number	666460	666487	666132
Flow Meter ID No.	039531	039531	039531
Start Date	9-July-03	9-July-03	9-July-03
Start Time	0740	0745	0755
Start Flow (L/min)	3.52	3.52	3.52
Stop Date	9-July-03	9-July-03	9-July-03
Stop Time (9th am)	~~1618~~ 1542	1621	1423
Stop Flow (L/min)	3.67	3.59	3.75
Pump fault? (circle)	No (Yes) NA	(No) Yes NA	No (Yes) NA
MET Station onsite?	(No) Yes NA	(No) Yes NA	(No) Yes NA
Pre/Post (circle)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)
Field Comments	Located ~~at~~ (SK 9-July-03) on South side of Airstrip Rd. Mowed lawn with ride-on mower in property on the North side of Airstrip Road. Battery fail 482 min on counter.	Located on South side of Airstrip Road. Mowed lawn with ride-on mower in property on the North side of Airstrip Road. Excavated 3' from the sample.	Located along gravel driveway. Excavated approx. 1' from sample. Battery fail 398 min on counter corresponding Stop Time is 1423.
QC (Field Team) JD	Volpe:	Volpe:	Volpe:
Entered (LFO) PS	Entered _____ Validated _____	Entered _____ Validated _____	Entered _____ Validated _____

rev 051503

~~482~~ + ~~1618~~ 398 min, 1630

Sheet No.: R-SA-00152

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

Scenario No.: NA Field Logbook No: 100232 Page No: 33-34 Sampling Date: Tues 9-July-03

Address: 1325 Airstrip Rd. Owner/Tenant: Stambaugh

Business Name: NA

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (MACTEC) CDM Other _____ Name(s): Sophia Kapranos

Data Item	9-July-03 SF Cassette 1	9-July-03 SF Cassette 2	9-July-03 SF Cassette 3
Index ID	1R- 21424 ✓	1R- 21425 ✓	1R- 21426 ✓
Location ID	AD-000717	BD-003248	BD-003248
Sample Group	Yard	Yard	Yard
Location Description	South West corner of Exclusion Zone	Make up Air	NAFU
Category (circle)	(FS) Blank Rep_____	(FS) Blank Rep_____	(FS) Blank Rep_____
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor (Outdoor) NA	Indoor (Outdoor) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)
Flow Meter Type (circle)	(Rotometer) DryCal NA	(Rotometer) DryCal NA	(Rotometer) DryCal NA
Pump ID Number	666217	626755	626761
Flow Meter ID No.	039531	039531	039531
Start Date	9-July-03	9-July-03	9-July-03
Start Time	0805	0725	0730
Start Flow (L/min)	3.52	3.52	3.52
Stop Date	9-July-03	9-July-03	9-July-03
Stop Time	1637	1610	1615
Stop Flow (L/min)	3.67	3.67	3.52
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	(No) Yes NA
MET Station onsite?	(No) Yes NA	(No) Yes NA	(No) Yes NA
Pre/Post (circle)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)
Field Comments		East side of House. Cut plywood next to sample for 5 minutes.	West side of House.
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

Sheet No.: R-SA-00157

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

SK 10-26-03 ~~Wed~~ Thurs

Scenario No.: NA Field Logbook No: 100232 Page No: 35-36 Sampling Date: 10-July-03

Address: 1325 Airstrip Rd. Owner/Tenant: Stambaugh

Business Name: NA

Land Use: ~~Residential~~ School Commercial Mining Roadway Other ( )

Sampling Team: ~~MACTEC~~ CDM Other _____ Name(s): Sophia Kaperanos

Data Item	Cassette 1	Cassette 2	SK 10-July-03 Cassette 3
Index ID SK 10-July-03	1R- 21434 ✓	SK 10-July-03 1R- 21435 ✓	1R- 21436 ✓
Location ID	AD-000717	AD-000717	AD-000717
Sample Group	Yard	Yard	Yard
Location Description	North West Corner of Exclusion zone.	North East Corner of Exclusion Zone.	South East Corner of Exclusion zone.
Category (circle)	(FS) Blank Rep_____	(FS) Blank Rep_____	(FS) Blank Rep_____
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor (Outdoor) NA	Indoor (Outdoor) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)
Flow Meter Type (circle)	(Rotometer) DryCal NA	(Rotometer) DryCal NA	(Rotometer) DryCal NA
Pump ID Number	626485	626563	666132
Flow Meter ID No.	039531	039531	039531
Start Date	10-July-03	10-July-03	10-July-03
Start Time	0740	0745	0749
Start Flow (L/min)	3.29	3.29	3.29
Stop Date	10-July-03	10-July-03	10-July-03
Stop Time	1620	1624	1630
Stop Flow (L/min)	3.36	3.44	3.52
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	(No) Yes NA
MET Station onsite?	(No) Yes NA	(No) Yes NA	(No) Yes NA
Pre/Post (circle)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear * 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)
Field Comments	Located along South side of Airstrip Rd. Near Excavation.	Located ~~along~~ 10-July-03 at corner of Airstrip Rd and gravel drive-way (lots of Dust).	Moved Sample approx. 15 feet west, away from gravel drive-way.
QC (Field Team) KO Entered (LFO) PS	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

vs 051503

Sheet No.: R-SA-000733

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

Scenario No.: NA Field Logbook No: ~~100232~~ 100225 100232 Page No: ~~35-36~~ 39-40 Sampling Date: ~~Wed~~ Thurs 10-July-03

Address: ~~2293 Kootenai River Rd.~~ 1325 Airstrip Rd. Owner/Tenant: ~~Powers~~ Stambaugh

Business Name: VA

Land Use: ~~Residential~~ School Commercial Mining Roadway Other ( )

Sampling Team: ~~MACTEC~~ CDM Other _____ Name(s): Sophia Kapranos

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	1R- 21437	1R- 21438	1R- 21439
Location ID	AD-000717	AD-000717	NA
Sample Group	Yard	~~Clean Room~~ Trailer	Blank
Location Description	South West Corner of Exclusion zone.	Clean Room	NA
Category (circle)	(FS) Blank Rep_____	(FS) Blank Rep_____	FS (Blank) Rep_____
Matrix Type (circle)	Indoor (Outdoor) NA	(Indoor) Outdoor NA	Indoor Outdoor (NA)
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)
Flow Meter Type (circle)	(Rotometer) DryCal NA	(Rotometer) DryCal NA	Rotometer DryCal (NA)
Pump ID Number	626583	666217	NA
Flow Meter ID No.	039531	039531	
Start Date	10-July-03	10-July-03	10-July-03
Start Time	0754	0820	
Start Flow (L/min)	3.29	3.29	
Stop Date	10-July-03	10-July-03	
Stop Time	1633	1637	
Stop Flow (L/min)	3.52	3.29	
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	No Yes (NA)
MET Station onsite?	(No) Yes NA	(No) Yes NA	No Yes (NA)
Pre/Post (circle)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)
Field Comments	Excavation near sample.		
QC (Field Team)			
Entered (LFO)			
	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

vs 051503

Sheet No.: R-SA-00156

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

Fri

Scenario No.: NA Field Logbook No: 100232 Page No: 37-38 Sampling Date: 11-July-03

Address: 1325 Airstrip Rd. Owner/Tenant: Stambaugh

Business Name: NA

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (MACTEC) CDM Other _____ Name(s): Sophia Kapranos

Data Item	SK 11-July-03 / Cassette 1	SK 11-July-03 / Cassette 2	SK 11-July-03 / Cassette 3
Index ID	1R- 21444 ✓	1R- 21445 ✓	1R- 21446 ✓
Location ID	AD-000717	AD-000717	AD-000717
Sample Group	Yard	Yard	Yard
Location Description	North East Corner of Exclusion Zone	North West Corner of Exclusion Zone	South West Corner of Exclusion Zone
Category (circle)	(FS) Blank Rep_____	(FS) Blank Rep_____	(FS) Blank Rep_____
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor (Outdoor) NA	Indoor (Outdoor) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)
Flow Meter Type (circle)	(Rotometer) DryCal NA	(Rotometer) DryCal NA	(Rotometer) DryCal NA
Pump ID Number	666217	626755	666132
Flow Meter ID No.	039531	039531	039531
Start Date	11-July-03	11-July-03	11-July-03
Start Time	0724	0740	0745
Start Flow (L/min)	3.13	3.13	3.13
Stop Date	11-July-03	11-July-03	11-July-03
Stop Time	1615	1619	1624
Stop Flow (L/min)	3.13	3.13	3.36
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	(No) Yes NA
MET Station onsite?	(No) Yes NA	(No) Yes NA	(No) Yes NA
Pre/Post (circle)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)
Field Comments	Located along South side of Airstrip Road. Near truck entrance. ~~2 feet from area being excavated~~ SK 11-July-03	2 feet from Excavation area. Near Truck entrance	
QC (Field Team) PP Entered (LFO) JS	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

Sheet No.: R-SA-00157

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

Fi

Scenario No.: NA Field Logbook No: 100232 Page No: 37-38 Sampling Date: 11-July-03

Address: 1325 Airstrip Road Owner/Tenant: Stambaugh

Business Name: NA

Land Use: Residential School Commercial Mining Roadway Other ( )

Sampling Team: MACTEC CDM Other _____ Name(s): Sophia Kagranos

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	1R- 21447 ✓		
Location ID	AD-000717		
Sample Group	Yard		
Location Description	South East Corner of Exclusion Zone	SK 11-July-03	SK 11-July-03
Category (circle)	(FS) Blank Rep_____	FS Blank Rep_____	FS Blank Rep_____
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor Outdoor NA	Indoor Outdoor NA
Filter Diameter (circle)	(25mm) 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	(Rotometer) DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	626571		
Flow Meter ID No.	SK 11-July-03 ~~035~~ 039531		
Start Date	11-July-03		
Start Time	0750		
Start Flow (L/min)	3.13		
Stop Date	11-July-03		
Stop Time	~~1009~~ 1631		
Stop Flow (L/min)	3.29		
Pump fault? (circle)	(No) ~~Yes~~ 11-July-03 SK NA	No Yes NA	No Yes NA
MET Station onsite?	(No) Yes NA	No Yes NA	No Yes NA
Pre/Post (circle)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	SK 11-July-03 ~~Battery fault with 159 min on counter = Completion Stop Time is 1009.~~ SK 11-July-03		
QC (Field Team) PP	Volpe:	Volpe:	Volpe:
Entered (LFO) DS	Entered _____ Validated _____	Entered _____ Validated _____	Entered _____ Validated _____

12

Sheet No.: R-SA-001157

EMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

Sat

Scenario No.: NA Field Logbook No: 100232 Page No: 39-40 Sampling Date: 12-July-03

Address: 1325 Airstrip Road Owner/Tenant: Stambaugh

Business Name: NA

Land Use: ~~Residential~~ School Commercial Mining Roadway Other ( )

Sampling Team: ~~MACTEC~~ CDM Other _____ Name(s): Sophia Kapranos

Data Item	Cassette 1 (Sat 12-July-03)	Cassette 2 (Sat 12-July-03)	Cassette 3 (Sat 12-July-03)
Index ID	1R- 21455 ✓	1R- 21456 ✓	1R- 21457 ✓
Location ID	Yard	Yard	Yard
Sample Group	AD-000717	AD-000717	AD-000717
Location Description	South West Corner of Exclusion Zone	North West Corner of Exclusion Zone	North East corner of Exclusion Zone
Category (circle)	(FS) Blank Rep_____	(FS) Blank Rep_____	(FS) Blank Rep_____
Matrix Type (circle)	Indoor (Outdoor) NA	Indoor (Outdoor) NA	Indoor (Outdoor) NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)
Flow Meter Type (circle)	(Rotometer) DryCal NA	(Rotometer) DryCal NA	(Rotometer) DryCal NA
Pump ID Number	626755	666132	626571
Flow Meter ID No.	039531	039531	039531
Start Date	12-July-03	12-July-03	12-July-03
Start Time	0720	0724	0733
Start Flow (L/min)	3.21	3.21	3.21
Stop Date	12-July-03	12-July-03	12-July-03
Stop Time	1520	1524	1530
Stop Flow (L/min)	3.67	3.13	3.29
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	(No) Yes NA
MET Station onsite?	(No) Yes NA	(No) Yes NA	(No) Yes NA
Pre/Post (circle)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)
Field Comments		Located along South side of Airstrip Road. Next to truck entrance.	Located along south side of Airstrip Road.
QC (Field Team) rhaf Entered (LFO) RS ✓	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

vs 051503

Sheet No.: R-SA-001160

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

Scenario No.: NA Field Logbook No: 100232 Page No: 39-40 Sampling Date: 12-July-03 (Sat)

Address: 325 Airstrip Road Owner/Tenant: Stambaugh

Business Name: N/A

Land Use: ~~Residential~~ School Commercial Mining Roadway Other ( )

Sampling Team: ~~MACTEC~~ CDM Other _____ Name(s): Sophia Kapranos

Data Item	Cassette 1 (SK 12-July-03)	Cassette 2	Cassette 3
Index ID	1R- 21458 ✓		
Location ID	AD-000717		
Sample Group	Yard		
Location Description	South East Corner of Exclusion Zone	SK 12-July-03	SK 12-July-03
Category (circle)	~~FS~~ Blank Rep_____	FS Blank Rep_____	FS Blank Rep_____
Matrix Type (circle)	Indoor ~~Outdoor~~ NA	Indoor Outdoor NA	Indoor Outdoor NA
Filter Diameter (circle)	~~25mm~~ 37mm	25mm 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 ~~PCM- 0.8~~	TEM- .45 PCM- 0.8	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	~~Rotometer~~ DryCal NA	Rotometer DryCal NA	Rotometer DryCal NA
Pump ID Number	666248		
Flow Meter ID No.	039531		
Start Date	12-July-03		
Start Time	0739		
Start Flow (L/min)	3.21		
Stop Date	12-July-03		
Stop Time	1533		
Stop Flow (L/min)	3.36		
Pump fault? (circle)	(No) Yes NA	No Yes NA	No Yes NA
MET Station onsite?	(No) Yes NA	No Yes NA	No Yes NA
Pre/Post (circle)	Pre 2nd Clear 3rd Clear ~~NA~~	Pre 2nd Clear 3rd Clear NA	Pre 2nd Clear 3rd Clear NA
Field Comments			
QC (Field Team) MWA Entered (LFO) JS ✓	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

vs 051503

Sheet No.: R-SA-001374

REMOVAL ACTION SAMPLIN
LIBBY, MONTANA FIELD SAMPLE DATA SHEET

STATIONARY AIR

Scenario No.: NA Field Logbook No: 100232 Page No: 86, 87 Sampling Date: 8-8-03

Address: 1325 Airstrip Road Owner/Tenant: Stambaugh

Business Name: N/A

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (MACTEC) CDM Other _____ Name(s): N. Baker, J. Phillips

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	1R- 22228 ✓	1R- 22229 ✓	1R- 22230 ✓
Location ID	BD- 003248	BD-003248	BD-003248
Sample Group	house	house	house
Location Description	N Room	hallway	~~South room~~ Center
Category (circle)	(FS) Blank Rep_____	(FS) Blank Rep_____	(FS) Blank Rep_____
Matrix Type (circle)	(Indoor) Outdoor NA	(Indoor) Outdoor NA	(Indoor) Outdoor NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	(25mm) 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)
Flow Meter Type (circle)	(Rotometer) DryCal NA	(Rotometer) DryCal NA	(Rotometer) DryCal NA
Pump ID Number	1003	1007	2004
Flow Meter ID No.	~~10~~ 8-8-03 006196	006196	006196
Start Date	8-8-03	8-8-03	8-8-03
Start Time	1042	1042	1042
Start Flow (L/min)	8.37	8.37	8.37
Stop Date	8-8-03	8-8-03	8-8-03
Stop Time	1322	1322	1322
Stop Flow (L/min)	8.49	8.37	8.37
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	(No) Yes NA
MET Station onsite?	(No) Yes NA	(No) Yes NA	(No) Yes NA
Pre/Post (circle)	Pre Post (Clear) 2nd Clear 3rd Clear NA	Pre Post (Clear) 2nd Clear 3rd Clear NA	Pre Post (Clear) 2nd Clear 3rd Clear NA
Field Comments			
QC (Field Team) / Entered (LFO) ps	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

vs 051503

Sheet No.: R-SA- 001375

EMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
STATIONARY AIR

Scenario No.: NA Field Logbook No: NB 8-8-03 100 & 232 Page No: 86, 87 Sampling Date: 8-8-03

Address: 1325 Airstrip Road Owner/Tenant: Stambaugh

Business Name: N/A

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (MACTEC) CDM Other _____ Name(s): N. Baker, J. Phillips

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	8-8-03 1R- 22231 ✓	8-8-03 1R- 22232 ✓	
Location ID	BD- 003248	BD-003248	
Sample Group	House	House	
Location Description	SW room	SE Room	
Category (circle)	(FS) Blank Rep_____	(FS) Blank Rep_____	FS Blank Rep_____
Matrix Type (circle)	(Indoor) Outdoor NA	(Indoor) Outdoor NA	Indoor Outdoor NA
Filter Diameter (circle)	(25mm) ~~37mm~~ NB 8-8-03	~~25mm~~ 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	(Rotometer) DryCal NA	(Rotometer) DryCal NA	Rotometer DryCal NA
Pump ID Number	08913	2140	
Flow Meter ID No.	006196	006196	
Start Date	8-8-03	8-8-03	
Start Time	1042	1042	
Start Flow (L/min)	8.37	8.37	
Stop Date	8-8-03	8-8-03	
Stop Time	1322	1322	
Stop Flow (L/min)	8.43	8.31	
Pump fault? (circle)	(No) Yes NA	(No) Yes NA	No Yes NA
MET Station onsite?	(No) Yes (NA) NB 8-8-03	(No) Yes NA	No Yes NA
Pre/Post (circle)	Pre Post (Clear) 2nd Clear 3rd Clear NA	Pre Post (Clear) 2nd Clear 3rd Clear NA	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments			NB 8-8-03
QC (Field Team) JD	Volpe:	Volpe:	Volpe:
Entered (LFO) PS	Entered _____ Validated _____	Entered _____ Validated _____	Entered _____ Validated _____

vs 051503

Sheet No.: R-SA- 001376

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET

STATIONARY AIR

Scenario No.: NA Field Logbook No: 100232 Page No: 86, 87 Sampling Date: 8-8-03

Address: 1325 Airstrip Rd. Owner/Tenant: Stambaugh

Business Name: N/A

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (MACTEC) CDM Other _____ Name(s): N. Baker, J. Phillips

Data Item	Cassette 1	Cassette 2	Cassette 3
Index ID	1R- 22233 ✓	1R- 22234 ✓	
Location ID	BD - 003248	BD- 003248	
Sample Group	BLANK	BLANK	
Location Description	N/A	N/A	
Category (circle)	FS (Blank) Rep_____	FS (Blank) Rep_____	FS Blank Rep_____
Matrix Type (circle)	Indoor Outdoor (NA)	Indoor Outdoor (NA)	Indoor Outdoor NA
Filter Diameter (circle)	(25mm) 37mm	(25mm) 37mm	25mm 37mm
Pore Size (circle)	TEM- .45 (PCM- 0.8)	TEM- .45 (PCM- 0.8)	TEM- .45 PCM- 0.8
Flow Meter Type (circle)	Rotometer DryCal (NA)	Rotometer DryCal (NA)	Rotometer DryCal NA
Pump ID Number	N/A	N/A	
Flow Meter ID No.			
Start Date			
Start Time			
Start Flow (L/min)			
Stop Date			
Stop Time			
Stop Flow (L/min)	8-8-03	8-8-03	
Pump fault? (circle)	No Yes (NA)	No Yes (NA)	No Yes NA
MET Station onsite?	No Yes (NA)	No Yes (NA)	No Yes NA
Pre/Post (circle)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear (NA)	Pre Post Clear 2nd Clear 3rd Clear NA
Field Comments	Archive		8-8-03
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

vs 051503

Sheet No.: R-S- 000100

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: 100213 Page No: 30 Sampling Date: 7-10-03
Address: 1325 AIRSTRIP RD Owner/Tenant: STAMBAUGH
Business Name: NA
Land Use: (Residential) School Commercial Mining Roadway Other ( )
Sampling Team: (CDM) MACTEC Other _____ Name(s): VANDERWEEL

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1R- 20653 J.V. 7/10/03	1R- 20654 J.V. 7/10/03	1R- 20655 J.V. 7/10/03
Location ID	SP- 121502	SP- 121503	SP- 121504
Sample Group	FLOWERBED	FLOWERBED	GARDEN (FRH)
Location Description	EAST PROPERTY FORMER FLOWER-BED.	N.E. PROPERTY FORMER FLOWER-BED	FORMER GARDEN EAST CENTER OF PROPERTY.
Category (circle)	(FS) FD _____	(FS) FD _____	(FS) FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____
Type (circle)	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 4
Sample Time	1030	1035	1040
Top Depth (in.)	0	0	0
Bottom Depth (in.)	2	2	2
Map Location	NA	NA	NA
Field Comments	NO VERMICULITE OBSERVED	FINE VERMICULITE OBSERVED	NO VERMICULITE OBSERVED
QC (Field Team) ____ Entered (LFO) PS	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

vs 051603

Sheet No.: R-S- 000101

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET

SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: 100213 Page No: 33 Sampling Date: 7-12-03
Address: 1325 AIRSTRIP RD (Owner)/Tenant: STAMBAUGH
Business Name: NA
Land Use: (Residential) School Commercial Mining Roadway Other ( )
Sampling Team: (CDM) MACTEC Other _____ Name(s): VANDERWEEL

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1R- 20656 T.V. 7/12/03	1R- 20657 T.V. 7/12/03	1R- 20658 T.V. 7/12/03
Location ID	SP- 121505	SP- 121506	SP- 121507
Sample Group	YARD	FLOWERBED	FLOWERBED
Location Description	YARD SOUTH OF HOUSE	FLOWERBED WEST OF HOUSE	FLOWER BED NORTH OF HOUSE
Category (circle)	(FS) FD_____	(FS) FD_____	(FS) FD_____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____
Type (circle)	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5	Grab (Comp) # subsamples 5
Sample Time	1520	1525	1530
Top Depth (in.)	0	0	0
Bottom Depth (in.)	2	2	2
Map Location	NA	NA	NA
Field Comments	VISIBLE VERMICULITE →		
QC (Field Team) ____ Entered (LFO) PS	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

vs 051603

Sheet No.: R-S- 000102

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: 100213 Page No: 34 Sampling Date: 7-12-03

Address: 1325 AIRSTRIP RD (Owner/Tenant): STAMBAUGH

Business Name: NA

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (CDM) MACTEC Other _____ Name(s): VANDERWEEL

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1R- 20659 T.V. 7/12/03		
Location ID	SP- 121508		
Sample Group	FLOWERBED		
Location Description	FLOWERBED N.E. OF HOUSE		
Category (circle)	(FS) FD_____	FS FD_____	FS FD_____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other_____	Mining Waste Subsurface Soil Surface Soil Fill Other_____	Mining Waste Subsurface Soil Surface Soil Fill Other_____
Type (circle)	Grab (Comp.) # subsamples 4	Grab Comp. # subsamples_____	Grab Comp. # subsamples_____
Sample Time	1535	1540 T.V. 7/12/03	
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	NA		
Field Comments	VISIBLE VERMICULITE		
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

vs 051603

Sheet No.: R-S- 000103

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: 100213 Page No: 35 Sampling Date: 7-14-03
Address: 1325 AIRSTRIP RD. (Owner)/Tenant: STAMBAUGH
Business Name: NA
Land Use: (Residential) School Commercial Mining Roadway Other ( )
Sampling Team: CDM MACTEC Other _____ Name(s): VANDERWEEL

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1R- 20660		
Location ID	SP- 121509		
Sample Group	FLOWERBED		
Location Description	FORMER FLOWER-BED ON WESTERN EDGE OF PROPERTY		
Category (circle)	(FS) FD_____	FS FD_____	FS FD_____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other_____	Mining Waste Subsurface Soil Surface Soil Fill Other_____	Mining Waste Subsurface Soil (Surface Soil) Fill Other_____
Type (circle)	Grab (Comp) # subsamples ____	Grab Comp. # subsamples ____	Grab Comp. # subsamples ____
Sample Time	1340		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	NA		
Field Comments	VISIBLE VERMICULITE		
QC (Field Team) _____ Entered (LFO) _____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____	Volpe: Entered ____ Validated ____

vs 051603

Set No.: R-S- 000173

REMOVAL ACTION SAMPLING
LIBBY, MONTANA FIELD SAMPLE DATA SHEET
SOIL-LIKE MATERIALS

Scenario No.: NA Field Logbook No: 100268 Page No: 2 Sampling Date: 8/15/03

Address: 1325 Airstrip Rd. Owner/Tenant: Stambaugh

Business Name: —

Land Use: (Residential) School Commercial Mining Roadway Other ( )

Sampling Team: (CDM) MACTEC Other _____ Name(s): B. Ryles

Data Item	Sample 1	Sample 2	Sample 3
Index ID	1R- 22386		
Location ID	SP- 122296		
Sample Group	Crawl Space		
Location Description	Crawl Space in Hallway		
Category (circle)	(FS) FD _____	FS FD _____	FS FD _____
Matrix Type (circle)	Mining Waste Subsurface Soil (Surface Soil) Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____	Mining Waste Subsurface Soil Surface Soil Fill Other _____
Type (circle)	(Grab) Comp. # subsamples _____	Grab Comp. # subsamples _____	Grab Comp. # subsamples _____
Sample Time	1430		
Top Depth (in.)	0		
Bottom Depth (in.)	2		
Map Location	N/A		
Field Comments	Sample collected in crawl space. Visible Vermiculite		
QC (Field Team) _____ Entered (LFO) DS	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____	Volpe: Entered _____ Validated _____

vs 051603

Sample ID	Parent ID	Scenario	Property Group (Location)	Sample Group	Location Description (Sub Location)	Media Type	Matrix	Category	Sample Date	PLM			
										Method	LA Bin	LA (%)	C (%)
1D-00096-C		N/A	1325 Airstrip Rd	Yard	North side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00096-FG		N/A	1325 Airstrip Rd	Yard	North side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	A	ND	ND
1D-00097-C		N/A	1325 Airstrip Rd	Yard	West back yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00097-FG		N/A	1325 Airstrip Rd	Yard	West back yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	B1	TR	ND
1D-00098-C		N/A	1325 Airstrip Rd	Yard	South side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-Grav	A	ND	ND
1D-00098-FG		N/A	1325 Airstrip Rd	Yard	South side yard	Soil-Like	Surface soil	Field Sample	4/26/2003	PLM-VE	B1	TR	ND
1R-20653-B		N/A	1325 Airstrip Rd	Flowerbed	East property former flower-bed	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20654-B		N/A	1325 Airstrip Rd	Flowerbed	NE property former flower-bed	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20655-B		N/A	1325 Airstrip Rd	Garden	Former garden east center of property	Soil-Like	Surface soil	Field Sample	7/10/2003	PLM-9002	A	ND	ND
1R-20656		N/A	1325 Airstrip Rd	Yard	Yard south of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20656-B		N/A	1325 Airstrip Rd	Yard	Yard south of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20657-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed west of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20658-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed north of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20659-B		N/A	1325 Airstrip Rd	Flowerbed	Flower bed NE of house	Soil-Like	Surface soil	Field Sample	7/12/2003	PLM-9002	A	ND	ND
1R-20660-B		N/A	1325 Airstrip Rd	Flowerbed	Former flower-bed on western edge of property	Soil-Like	Surface soil	Field Sample	7/14/2003	PLM-9002	A	ND	ND
1R-22386-B		N/A	1325 Airstrip Rd	Crawl Space	Crawl space in hallway	Soil-Like	Surface soil	Field Sample	8/15/2003	PLM-9002	B2	< 1	ND
CS-10737-C		N/A	1325 Airstrip Rd	Yard	Front yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-Grav	A	ND	ND
CS-10737-FG		N/A	1325 Airstrip Rd	Yard	Front yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-VE	A	ND	ND
CS-10738-C		N/A	1325 Airstrip Rd	Yard	Front, side yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-Grav	A	ND	ND
CS-10738-FG		N/A	1325 Airstrip Rd	Yard	Front, side yard	Soil-Like	Surface soil	Field Sample	11/19/2002	PLM-VE	A	ND	ND
CS-10739-C	CS-10740	N/A	1325 Airstrip Rd	Garden	Front yard	Soil-Like	Surface soil	Field Duplicate	11/19/2002	PLM-Grav	A	ND	ND
CS-10739-FG	CS-10740	N/A	1325 Airstrip Rd	Garden	Front yard	Soil-Like	Surface soil	Field Duplicate	11/19/2002	PLM-VE	A	ND	ND

LocationPropertyGroupDesc values: = "1421 Utah Ave", = "1325 Airstrip Rd"

Stanaugh

100213/100213

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

TRANSIT

All-Weather Notebook
No. 301

LIBBY ASBESTOS PROJECT

5-28-03

4 5/8" x 7" - 48 Numbered Pages

✓341 PARMENTER DR.

✓1325 AIRSTRIP RD.

TOC

PAGE	ADDRESS	DATE
✓ 25	341 PARMENTER DR	6-21-03
✓ 26		6-27-03
✓ 27	1325 AIRSTRIP RD	7-8-03
✓ 28		7-9
✓ 29		7-9
✓ 30		7-10
✓ 31		7-10
✓ 32		7-11
✓ 33		7-12
✓ 34		7-12
✓ 35		7-14
✓ 36		7-14
✓ 37		7-15
✓ 38		7-16
✓ 39		7-17
✓ 40		7-18
✓ 41		7-21
✓ 42		7-22
✓ 43		7-23
✓ 44		7-24
✓ 45		7-31
✓ 46		8-1
✓ 47		8-2
✓ 48		8-7, 8, 11-03

1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

7-8-03
VOLPE/EPA
COM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 60° & CLOUDY @0904. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL D SET UP. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO — TV
0700 ER MTG. — TV
0730 COM MTG. — TV
0704 ER HERE MOBILIZING TO JOB. — TV
0945 GO TO 143 CROSSWAY AVE. — TV
1117 ER HERE FOR PHOTOS. ORDERED DUMPSTERS FOR CONSTRUCTION DEBRIS. FOUND A SPOT IN YARD WITH LV NOT ON MAP. GOING TO REMOVE. — TV
1145 LUNCH — TV
1443 HERE TO TRIANGULATE MAILBOX INVOLVED IN EXCAVATION. NOEL HERE FOR INSIDE CONTAINMENT INSP. REMOVAL CAN START ONCE WATER IS HERE FOR TRAILER + HOLES IN FLOOR ARE COVERED. POWER IS OFF.
1613 GO TO COM OFFICE.

Tom Vanderweel
TOM VANDERWEEL
7-8-03

1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

7-9-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER 56° & SUN. @0834. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO —TV
0700 ER HORN MTG.
0730 CDM MTG.
0834 - ONSITE PRE-CONSTRUC. MTG ABOUT CONTAINMENT & WATERING. NOEL & CHUCK HERE. WATER HERE & SET UP. COUNTY IS MOWING ACROSS AIRSTRIP RD TO THE N.E. ALOT OF DUST. SEEMS TO BE BLOWING TO THE NORTH. ER CUTTING PLYWOOD BY FRONT DOOR OF HOUSE WHERE MAKE UP AIR IS BEING MONITORED. STOPPED THEM. LET MARTY KNOW TO CUT IN A DIFFERENT AREA. —TV
0935 START EXCAVATION ON E PLANTER
0950 GO TO CDM OFFICE! —TV
1127 ER CLEANING & BOXING ITEMS IN HOUSE TO STORE OUTSIDE. DIGGING GOING ON. SOME DUST ESCAPING. —TV
1156 LUNCH.
1358 S.E. PERIMETER AIR MONITOR
Tom Vanderweel TOM VANDERWEEL
7-9-03

1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

7-9-03
VOLPE/EPA
CDM: TOM V.

MOUNTED VERY CLOSE TO DUST & DRIVE WAY. N.E. MONITOR ALSO. —TV
1430 JOB SHUT DOWN. EMERGENCY ER MTG. ABOUT PEL. —TV
1530 BACK TO WORK. —TV
1615 E PLANTER DONE - 6 LOADS TAKEN OUT TODAY - APPROX. 12 YARDS PER TRUCK. —TV
1633 GO TO 280 S CENTRAL RD. —TV

Tom Vanderweel
TOM VANDERWEEL
7/9/03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

7-10-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 55° & SUN @0810. ACTIVITIES ARE RES. REM OVERSITE, PT'E IS LEVEL C&D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO. ——TV

0700 ER MORN MTG. ——TV

0730 CDM MTG. ——TV

0810 - TRAILER CO. IS HERE TO MOVE MOBILE HOME OFF PROPERTY TO DIG UNDER IT. DONNA HERE TO PHOTO DOC- UMENT TRAILER - IN & OUT. ER DONE DIGGING IN PLANTER @ 0830. ER CLEAN- ING IN HOUSE. BOXING ITEMS & HANDING OUT OF HOUSE FOR STORAGE. ——TV

0945 DONE EXCAVATION ON E SIDE OF PROPERTY. SOIL SAMPLE 3 AREAS —TV

1 - 5 PT. COMPOSITE TAKEN 0-2" DEEP FROM FLOWERBED AREA AT 1030. NO LV SEEN. NO GPS. FSDS# 000100. ——TV
1R- 20653 SP- 121502

1 - 5 PT COMPOSITE SOIL SAMPLE TAKEN 0-2" DEEP FROM FLOWERBED AT 1035. LV SEEN. NO GPS FSDS # 000100 ——TV
1R- 20654 SP- 121503

1 4 PT COMPOSITE SOIL SAMPLE TAKEN 0-2" 1040 DEEP FROM FORMER GARDEN. NO LV SEEN. NO GPS. FSDS# 000100. Tom Vanderweel
1R- 20655 SP- 121504

TOM VANDERWEEL 7-10-03

1325 AIRSTRIP RD
RES. REMOVAL
OWN: STAMBAUGH

7-10-03
VOLPE/EPA
CDM: TOM V.

1127 - GO TO CDM OFFICE ——TV

1433 - MOBILE HOME MOVED OUT TO STREET & DUMPSTER IS MOVED. HAD TO UNLOAD ALOT OF MATERIAL OUT OF TRAILER TO MOVE IT. ER GOING TO POLY & PLYWOOD A ROADWAY TO EXCAVATION AREA. GOING TO COVER ALL MATERIAL TAKEN OUT OF HOME & TRAILER. ——TV

1445 - GO TO 280 S CENTRAL RD. —TV

1612 NO MORE EXCAVATION TODAY. ER STILL CLEANING, BOXING & HAULING STUFF FROM INSIDE THE HOME TO THE OUTSIDE. THEY KILLED MANY BEES TODAY. ——TV

1649 - GO TO CDM OFFICE ——

Tom Vanderweel

TOM VANDERWEEL
7/10/03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAHBAUGH

7-11-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 58° & SUN @0820. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAHBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO. ——TV

0700 ER MORN MTG. ——TV

0730 CDM MORN MTG. ——TV

0820 ER HAS STARTED EXCAVATING SOUTH OF HOUSE. WORKERS ARE WALKING IN & OUT OF HOUSE - C TO D. TOLD THEM TO STOP. NOEL HERE & HAD A TALK WITH THEM.

0908 GO TO 154 SKI RD. ——TV

1042 ONSITE AFTER VISITING 154 SKI & 280 S. CENTRAL. BOTH GETTING READY FOR SOD. EXCAVATING ON WEST SIDE OF PROPERTY. STILL CLEANING & BAGGING IN HOME. CLEANING FLOOR TO LAY DOWN POLY.

1125 GO TO CDM OFFICE ——TV

1338 EXCAVATING ON NW SIDE OF HOUSE. CLEANING INSIDE. ——TV

1355 GO TO 280 S CENTRAL RD.

1430 BRING MISTER STATION & RAGS TO JOB. ER ON BREAK 100 + °. ——TV

1525 GO TO 240 S. CENTRAL RD.

Tom Vanderweel TOM VANDERWEEL 7/11/03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAHBAUGH

7-12-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 68° & SUN @0948. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAHBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO.

0900 CDM MTG. ——TV

0948 ER EXCAVATING NORTH OF HOUSE. ALOT OF BRUSH IN PLANTER. PHOTO'S TAKEN, STILL CLEANING IN HOME - NO DEMO WORK YET. BROUGHT BACK KITTY BASKET TO MOBILE HOME.

1002 - GO TO CDM OFFICE. ——TV

1030 - DIGGING N. OF HOUSE. 7-11, 5 LOADS OUT, 7-12, 14 LOADS OUT. WORKERS CLEANING FLOOR TO POLY BEFORE STARTING DEMO MON. 7-14.

1150 LUNCH ——TV

1-5 PT COMPOSITE SOIL SAMPLE TAKEN AT 1520 1R- 20656 SP- 121505 0-2" DEEP FROM SOUTH OF HOUSE YARD. LV SEEN NO GPS YET. FSDS# 100101. ——TV

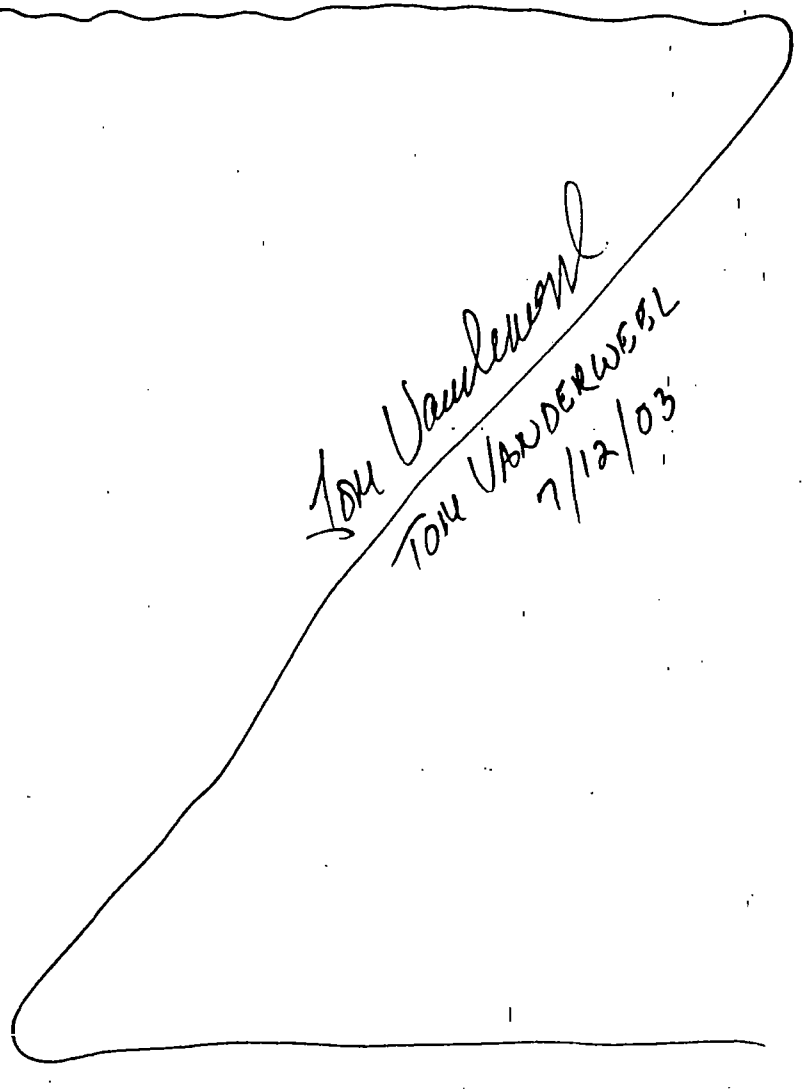
1-5 PT COMPOSITE SOIL SAMPLE TAKEN AT 1525 1R- 20657 SP- 121506 0-2" DEEP FROM WEST OF HOUSE FLOWERBED. LV SEEN. NO GPS. FSDS# 100101 ——TV

1-5 PT COMPOSITE SOIL SAMPLE TAKEN AT 1530 1R- 20658 SP- 121507 0-2" DEEP FROM N. FLOWERBED FROM HOUSE. L.V. SEEN. NO GPS. FSDS # 100101 ——TV 7-12-03

34 1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

7-12-03
VOLPE/EPA
COM: TOM V.

1-4 PT COMPOSITE SOIL SAMPLE TAKEN AT 1535, 0-2" DEEP FROM N.E. FLOWERBED FROM HOUSE 1R- 20659 SP- 121508
LV SEEN, NO GPS. FSDS # 100102. —TV



1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

7-14-03
VOLPE/EPA
COM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER 58° & SUN
0843. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C & D. TITLE OF GOV DOC IS CORAR (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO. —TV
0700 ER HORN MTG. —TV
0730 CDM MTG. —TV
0730 EXCAVATION SAMPLED SAT. 7-12. ALL NON-DETECT. OUTSIDE CLEAR. —TV
0843 ER BACKFILLING EXCAVATIONS. TAKING FENCE DOWN FROM EXCAVATION AREAS. ONE WORKER SPOTTED MINE TAILINGS ON WESTERN PORTION OF EXCAVATION. HAD ER FENCE IT OFF. WAIT FOR DIRECTION. —TV
0938 - GO TO 3647 HWY 2 S. —TV
1100 ER FENCED OFF & DIGGING MINE TAILINGS AREA. —TV
1154 — LUNCH —TV.
1322 SOIL SAMPLE - 1-5 PT. COMPOSITE TAKEN AT SP- 121509 1340 0-2" DEEP FROM W. PROP. LINE OLD FLOWERBED. 48' x 4'. 1R- 20660
LV SEEN. FSDS # 000103. NO GPS. —TV
1415 - GO TO CDM OFFICE. —TV.

Tom Vanderweel TOM VANDERWEEL
7-14-03

1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

7-14-03
VOLPE/EPA
CDM: TOM V.

1621 - SOIL SAMPLE FROM EARLY PM # 60 IS NON-DETECT. ER NOTIFIED. ER HAS STARTED CEILING DEMO IN HOME. PHOTOS TAKEN. ER HAS BACKFILLED & LAID SOD BEHIND HOME. BACKFILLING PLANTER IN FRONT OF HOME. ——TV

1653 - GO TO CDM OFFICE. ——

Tom Vanderweel
TOM VANDERWEEL
7-14-03

1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

7-15-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 60° & SUN

0946 ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C+D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO. —TV

0946 MEET KAREN & KEITH ONSITE ABOUT OUTSIDE RESTORATION. SOD, HYDROSEED DISCUSSED. FLOWERBEDS OR NO FLOWERBEDS. KAREN TALKED TO OWNER. DIRECTED ER. ——TV

1313 TOLD ER KEEP CEILING LUMBER IN RESPECTIVE ROOMS. ER REMOVING STUCCO OFF BLOCK WALLS WITH CHIPPING HAMMER & 1" CHISEL. ASKED THEM TO GET A 3-4" CHISEL BIT. SMALL HOLES BEING MADE IN BLOCK WALL. ER BACK-FILLING + LAYING SOD. ——TV

1340 GO TO 3647 HWY 25. ——TV

1447 GO IN ZONE TO CK PROGRESS. HAND CHISELS BEING USED ON WALLS. I CUT THROUGH AN ELEC. LINE. PHOTOS TAKEN OF DEMO. OWNER CAME FOR DOORS.

1606 - GO TO CDM OFFICE. ——TV

Tom Vanderweel TOM VANDERWEEL
7-15-03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

7-16-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 72° & SUN & CLOUDS @0830. ACTIVITIES ARE RES REM OVERSITE, PPE IS LEVEL C+D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO —TV
0830 4 WORKERS IN HOUSE. WORKERS OUTSIDE BUILDING PLANTERS. —TV
0837 - GO TO ER ON CALIFORNIA. —TV
1124 - 84° - FORMING UP PLANTERS WITH 2×10 - HAD THEM MOVE FORMS N. ENCROACHING PROP. LINE. —TV
1145 GO TO CDM OFFICE. —TV
1315 - ONSITE WITH INING HSU CKING PROGRESS OF WORK. ER JUST GOING IN CONTAINMENT. NEED TO CHECK PLANTER BUILDING FOR LEVEL & STRAIGHT.
1324 - GO TO 3647 HWY 2 S. —TV
1530 WATCH ER TRYING TO BUILD A PLANTER FORM - UP TO 12 PEOPLE WORKING ON IT. NOT COMPLETED. —TV
1630 GO TO 3647 HWY 2 S. —TV.

Tom Vanderweel
TOM VANDERWEEL
7-16-03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

7-17-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 75° & SUN @1025. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C+D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO —TV
1025 HERE TO GPS SOIL SAMPLES. ASKED ER TO REPAIR LOW SPOT IN REAR LAWN. COMPRESSOR BROUGHT TO JOB - CALLED GREG ABOUT COMPRESSED AIR BEING USED ON ASBESTOS WORK. LET GREG & NOEL HANDLE REGULATIONS FROM OSHA WITH ER. ER HAS FIVE WORKERS IN CONTAINMENT. WORKERS OUTSIDE BACKFILLING RAISED PLANTERS.
1150 DONE GPS & LUNCH —TV
1320 HERE TO WITNESS NEEDLE GUN (PNEUMATIC) ON STUCCO. DID NOT WORK. N & W WALL HAD WIRE BEHIND STUCCO. OLD EXTERIOR BLOCK WALL HAS NO LATH IT. —TV
1450 GO TO CDM OFFICE. —TV
1625 HERE FOR CHECK UP. —TV
1650 GO TO CDM OFFICE —

Tom Vanderweel
TOM VANDERWEEL 7-17-03

40

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

7-18-03
VOLPE/EPA
CDH: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 54° + SUN @ 0848. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C+D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO ——— TV

0848 - ER FINE GRADING HYDRO SEED AREAS. DEMO STUCCO IN HOUSE CONTINUES, FOUND LV IN TIRE PLANTER IN NE CORNER OF YARD. MINI CONTAINMENT BUILT - BAGGING LV - WRAP TIRE + HAUL TO DUMP IN LEVEL C PPE. FERTILIZER QUESTION RAISED TODAY BEFORE HYDRO SEEDING. ——— TV

0952 GO TO 3647 HWY 2 S. ——— TV

1045 ER FINISHED CLEANING LV IN TIRE PLANTER. RAKING & HYDRO-SEED STARTED BEFORE LUNCH. ——— TV.

1210 LUNCH ——— TV

1617 HYDROSEED DONE. STILL ON STUCCO REMOVAL INSIDE ——— TV

1624 JOB WALK ———

Tom Vanderweel
TOM VANDERWEEL
7-18-03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

7-21-03
VOLPE/EPA
CDH: TOM V.

41

AUTHOR TOM VANDERWEEL, WEATHER IS 80° + SUN @ 1108. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C+D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO. — TV

1108 ER REMOVING CEILING IN BATHROOM + VAC VCL. CALLED ELZON ABOUT (WAY) N. PLANTER BOARDS. ——— TV

1140 LUNCH. ——— TV

1612 HERE TO TELL ER THEY CAN REMOVE WALL & CABINET TO ACCESS STUCCO ON WALL. HARTY SAYS 4 MORE DAYS FOR CEILING REMOVAL & THEN DETAILING. TALK TO ELZON ABOUT CROOKED FORMS. ——— TV

1622 GO TO 1011 MAIN AVE. ———

Tom Vanderweel
TOM VANDERWEEL
7-21-03

1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

7-22-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 68° & SUN @0953. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C&D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO ——— TV
0953 ER WATERING SOD & HYDRO SEED.
REMOVING CEILINGS & VCI IN HOUSE. — TV
1019 GO TO 3647 HWY 2 S. ——— TV

Tom Vanderweel
TOM VANDERWEEL
7-22-03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

7-23-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL. WEATHER IS 63° & SUN @0948. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C&D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO.
0948 ER REMOVING CEILINGS & VCI FROM BLOCK BUILDING. ER REMOVED CEILING BOARD FROM ADDITION AREA & FOUND. F.G. NO VCI. ASKED THEM TO PULL OFF A FEW MORE BOARDS TO CONFIRM. SUPPOSED TO BE A WALL SEPERATING ATTICS. NO SHARED AIR SPACE. — TV
1004 GO TO GRANITE CONC. ——— TV
1540 IN ZONE TO CK PROGRESS. SOME CEILING REMOVED IN MAIN RM WALKING IN HOUSE. VCI SEEN (TRACE) IN SW ROOM OF HOUSE (NEW ADDITION) USING VAC SAW TO CUT BOARDS.
1645 GO TO CDM OFFICE. ———

Tom Vanderweel
TOM VANDERWEEL
7-23-03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

7-24-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 71° & SUN @ 0958. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO ——— -TV
0958 NOEL HERE. ER STILL DEMO & ——— TV
REMOVAL GOING ON. ——— TV
1034 GO TO LANDFILL. ——— TV

Tom Vanderweel
TOM VANDERWEEL
7-24-03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

7-31-03
VOLPE/EPA
CDM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 62° & SUN @ 0918. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO — TV
0918 ER MOBILIZING BACK TO JOB. TRAILER, GENERATOR & VACTRUCK BACK. SOD IN BACK YARD HAS BEEN FINISHED. HYDRO SEED IS GROWING & WAITING ON WATER TANK TO GO IN ZONE. ALL BACK ROOM CEILINGS NEED TO DEMO. VCI FOUND. ——— TV
0939 GO TO 1201 UTAH ——— TV
1354, 96° - 5 WORKERS INSIDE - WIRE BRUSH STUCCO - STABILIZING FRONT WINDOW BEFORE REMOVING WALL ABOVE IT. TAPING UP FRONT WINDOW FROM OUTSIDE. HOLES IN WALL. ——— TV
1424 GO TO 1011 MAIN AVE ——— TV

Tom Vanderweel
TOM VANDERWEEL
8-21-03

1325 AIRSTRIP RD
RES REMOVAL
OWN: STAMBAUGH

8-1-03
VOLPE/EPA
COM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 62° & SUN @0840. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO ——— TV
0700 ER MORN MTG. ——— TV
0750 COM MTG. ——— TV
0840 ER STILL GOING IN TO DECON TRAILER TO GO TO WORK. HERE TO CHECK OUT WINDOW CONCERNS. IN ZONE TO PHOTO BOARDS & WINDOW ER IS WORRIED ABOUT DISTURBING. ——— TV
0930 GO TO COM OFFICE. ——— TV
1642 ER GOING TO DRILL HOLES OVER FRONT WINDOW TO INSPECT FOR VCI. DETAILING & REMOVING CEILINGS TODAY.
1700 GO TO COM OFFICE. ———

Tom Vanderwell
TOM VANDERWEEL
8-21-03

1325 AIRSTRIP RD.
RES REMOVAL
OWN: STAMBAUGH

8-2-03
VOLPE/EPA
COM: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 70° & CLOUD @1054. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL C & D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO —
0900 COM MTG. ——— TV
1054 TALK TO MARTY. BOARDS AREN'T ROTTED TO BAD OVER WINDOW IN FRONT. GOING TO REMOVE EVERY OTHER BOARD FOR ACCESS TO WALL. DETAILING IN HOUSE. ——— TV
1112 GO TO 113 BOBTAIL RD. ——— TV

Tom Vanderwell
TOM VANDERWEEL
8-21-03

48 1303 AIRSHIP RD. 8-7-03
RES REMOVAL VOLPE/EPA
OWN: STAMBAUGH COH: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER IS 80's 65UM IN PM. ACTIVITIES ARE RES REM OVERSITE. PPE IS LEVEL D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) STAMBAUGH ADDENDUM. EQUIP USED IS CAMERA 3, VANDERWEEL RADIO ——TV
1439- DONE ENCAP. ——TV
I TOM VANDERWEEL, HEREBY RELINQUISH LOGBOOK # 100213 TO S. BRIAN RYLES @ 1700 ON 8-7-03. Tom Vanderweel
8/8/03 Brian Ryles Author;
Collected Air Clearance at residence
B RA No Further entries
8/11/03 Brian Ryles Author; Air clearance Results Non detect.
Arrived @ 1140 ER breaking down containment. leaving site.
No Further entry Br. RA

8/11/03
Br RA

100171

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

TRANSIT

All-Weather Notebook
No. 301

607 WEST 10TH ST.
Residential
Removals
3/7/03 -

4 5/8" x 7" - 48 Numbered Pages

√1310 11TH AVE.
√1305 PARK AVE.
381 S. CENTRAL RD.
1118 MONTANA AVE.
1326 Airstrip Rd.

T.O.C.

PAGE		DATE
23	1305 DAKOTA AVE	4-1-03
24		4-1-03
25		4-2-03
26		4-3-03
27		4-3-03
28	381 S CENTRAL RD	4-4-03
29		4-7-03
30		4-8
31		4-9
32		4-9
33		4-10
34		4-11
35		4-12
36		4-14
37		4-15
38		4-15
39	1118 MONTANA AVE	8-5-03
40		8-6-03
41		8-7-03
42	RELINQUISH LOGBOOK	8-7-03
43	1118 MONTANA AVE	8-8-03
44	" " 8-9, 11, 12, 13, 14-03	
45	" " "	8-15-03
46	1325 AIRSTRIP RD	8-15-03
47	RELINQUISH LOGBOOK	8-18-03
48	1118 MONTANA AVE	8-19-03

607 WEST 10TH ST 3-1-03

RES. REMOVAL VOLPE/EPA

OWN: PESCATORE CON: TOM V.

AUTHOR TOM VANDERWEEL, WEATHER 28° & SNOWING. ACTIVITIES ARE RES. REM OVER SITE. PPE IS LEVEL C + D. TITLE OF GOV DOC IS CRRAP (VOLPE 2002) PESCATORE ADDENDUM. EQUIP USED IS CAMERA 3, REM RADIO 3. ——— T.V.

1030 - ONSITE - PHOTOS TAKEN OF CONTAINMENT BEING BUILT. GO IN HOUSE TO CHECK ELECTRICITY + PHOTO LOG INSIDE OF HOUSE. ER HAS ONE MAN INSIDE WITHOUT BOOTIES TAPING CRITICALS & CRACKS IN CEILING. ——— T.V.

1205 LEAVE SITE FOR LUNCH ——— TV

1308 ONSITE ER CONTINUES TO SET UP CONTAINMENT ——— TV

KAREN B CALLING MRS. PESCATORE TO SEE IF ER CAN SET UP SCAFFOLDING AT 603 W 10TH ——— TV

1330 DEPART FOR SHAUGHNESSY KILL. T.V.

1415 ONSITE AFTER STOPPING AT COM OFFICE TO GET SHARPIES. EMAIL TOMMY 3-6-03 DAILYS. ER CUTTING INTO ATTIC

Tom Vanderweel TOM VANDERWEEL 3-7-03

46 1325 Airstrip Rd. 8/15/03
Owner: Stambaugh Residential Removal con. B. Pyles
Weather: Sunny 95°
Activities: Removal
PPE: Level C
Gov Doc CRRAP (Volpe 2002)
1425 Arrived on site. Decided to collect soil sample from crawl space of House. LV was found in space and was decided to collect sample to see if Asbestos is present.
1430 DF 8/15/03

1R- 22386 **SP- 122296**

FSDS# R-S-000173
Visible LV. Grab sample from entrance to crawl space. We Vacuumed around entrance to Space (no visible there) but collect where visible LV exists.
1440 left Site.

No Further entries
8/15/03
[signature]

Brian Pyles relinquish logbook to Tom Vandrunen
8/18/03

Form Number X 000128

LIBBY ASBESTOS PROJECT
Property Closeout Checklist (PCC)

Address: 1325 AIRSTRIP RD.

Occupant: _____

Owner (If different than occupant): CALLIHAN

Oversight Personnel: VANDERWEEL

Removal Dates: 7-8—8-15-03 Field Logbook No.: 100213 / 100121 Page Numbers.: 27-48 / 46

Removal Contractor: ER

Restoration Contractor: ER

Associated BD Numbers: 003248

PCC Check Completed by (100% of forms): Amy L Powers

Data Item	Value	Comments
Type of removal activity *circle all that apply*	(VCI removal) (Interior cleaning) (Exterior removal) Other: _____	
Set up date(s)	7-8-03	
Removal date(s)	7-9—8-7-03	
Restoration date(s)	8-11—15-03	
Total days at property	38	
Contaminated material removed *circle all that apply*	(Soil) (VCI) (Other insulation) (Household items) (Rubbish/Debris) Other _____	
Cubic yards (Yd^3) of material removed:		
Soil	70 Yd^3 NA	

Form Number 000128

Data Item	Value	Comments
VCI	16 Yd^3 NA	
Other insulation	25 Yd^3 NA	Type of insulation removed: FIBERGLASS BATS
Household items	Description: (NA)	
Rubbish/Debris	>5 Truckloads NA	Description: TRASH IN REAR YARD - LARGE PILE. STUCCO & PLASTER & WOOD FROM IN HOUSE.
Any contaminated material remaining after removal is complete? *Circle all that apply*	No (Soil) VCI	
Complete following sections as necessary.		
Contaminated soil remaining NA	Location description: MINE TAILINGS ON W PROP. LINE. VCS REMAINS IN CRAWLSPACE.	
VCI remaining (NA)	Location description:	
Yards of insulation replaced	40	Type: F. GLASS BATS
Yards of residential fill replaced	-0-	
Yards of topsoil replaced	70	
Yards of other material replaced (i.e., gravel)	-0-	Type:

Data Item	Value	Comments
Date HEPA vacuum given to resident	Date: _____ (Not given) AS OF	Reason: 12/17/03
Items damaged during construction	NONE	

ADDITIONAL INFORMATION - ADD SKETCHES AS NECESSARY